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ABSTRACT

This directory was compiled to assist vocational teachers and researchers in locating tests in various occupational fields. Test data was gathered from publishers, directors of vocational programs, union officials, and members of the American Vocational Association. Selection of the instruments depended on their availability and standardization, although a few restricted instruments and non-standardized "item-banks" are included. Several "Trainer-Tester" devices and similar performance measures are also included. The tests are presented within eleven broad fields of vocational education. Each test annotation includes title, author, publisher, cost, forms available, administration, and a brief description of the test items. A key word index is provided to facilitate test searches. (PR)

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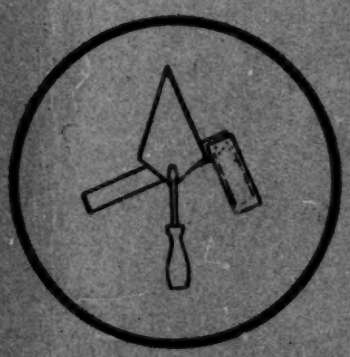
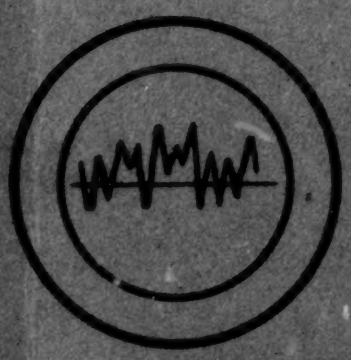
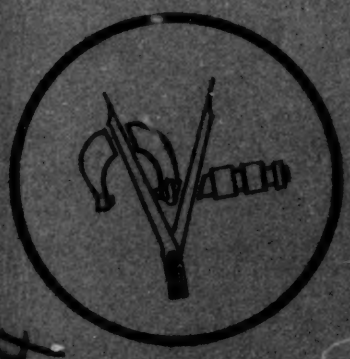
DIRECTORY OF ACHIEVEMENT TESTS FOR OCCUPATIONAL EDUCATION







by
Joseph L. Boyd, Jr.
and
Benjamin Shimberg

Educational Testing Service
Princeton, New Jersey
April 1971

This Directory was prepared pursuant to a contract with the New Jersey Department of Education in cooperation with the United States Office of Education, Division of Manpower Development and Training.

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DIRECTORY

OF

ACHIEVEMENT TESTS

FOR

OCCUPATIONAL EDUCATION

United States Department of Health, Education, and Welfare
Elliot Richardson, Secretary

United States Office of Education
Sidney P. Marland, Commissioner

New Jersey Department of Education
Carl L. Marburger, Commissioner

Developed by

Educational Testing Service
Princeton, New Jersey

Benjamin Shimberg - Project Director

Joseph L. Boyd, Jr. - Principal Investigator

TM 000 644

Pursuant to a contract with the New Jersey Department of Education in cooperation with the United States Office of Education, Department of Health, Education, and Welfare, April 1971.

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BY

JOSEPH L. BOYD, JR.

and

BENJAMIN SHIMBERG

EDUCATIONAL TESTING SERVICE
PRINCETON, NEW JERSEY

This Directory was prepared pursuant to a contract with the New Jersey Department of Education in cooperation with the United States Office of Education, Division of Manpower Development and Training.

April 1971

The opinions expressed in this publication are those of the contractor and do not necessarily reflect the official opinion of the New Jersey Department of Education or the United States Office of Education.

TABLE OF CONTENTS

Introduction ii

Automotive Trades 1

Building Trades 9

Drafting, Printing, and Graphic Arts 24

Electronics 34

Health Occupations 50

Machine Trades 92

Office Occupations 110

Other 149

Key Word Index 154

INTRODUCTION

Teachers of trade and technical subjects have been urged by leaders in the field of occupational education to evaluate the outcomes of instruction with standardized tests whenever possible. However, those who have attempted to follow such advice have often found the task of locating suitable tests a time-consuming and frustrating chore. Occupational researchers have encountered similar difficulties.

The plight of these teachers and researchers became evident to the Project Director several years ago when, as Director of Educational Relations for a large test publishing organization, he noted a marked increase in the number of inquiries for assistance in locating tests in various occupational fields. Most such inquiries were form letters, suggesting that these individuals were sending similar letters to other publishers in the hope that one of them might have a suitable test or be able to suggest where one might be found.

To make it easier for people seeking occupational achievement tests to find out quickly what was available from various sources, Educational Testing Service proposed to the U. S. Office of Education through the Manpower Planning and Development Branch that a comprehensive listing of available tests be prepared and given wide dissemination. The U. S. Office of Education, in turn, suggested that ETS seek funding for such a project, through the Vocational Education Division of the New Jersey Department of Education. Dr. Robert Worthington, Assistant Commissioner for Vocational Education, and Mr. Arthur Wenzel, Director of Manpower Training-Development Projects, agreed to support such an effort.

To obtain tne necessary data, letters of inquiry were mailed to approximately three hundred large and small test publishers asking whether they had tests (or were in the process of preparing tests) related to eleven broad fields of vocational education. (See Exhibit A for listing of vocational fields.) Respondents were asked to indicate whether they published tests in any of the areas listed or in related areas.

Approximately 230 replies were received in response to the initial inquiry and 40 more were received in response to a follow-up letter. Forty-one of the respondents who had indicated that they published tests in the areas listed were then asked to provide additional information in the form of catalogs, descriptive leaflets, specimen sets, and test manuals.

A similar procedure was followed with several other groups: state directors of vocational education; regional directors of manpower training programs; and union officials associated with various skilled trades. Respondents were asked to identify any occupational competency tests they might be using in their programs or any tests which might be under development either within their organizations or at nearby universities. Relatively few usable suggestions came from these sources.

Finally, a general appeal was made to the 42,000 members of of the American Vocational Association through a notice in the American Vocational Journal. This notice brought about 100 replies, but only a few suggested the names of tests; the vast majority wanted to know when the Directory would be published and how they could obtain copies.

The authors tried to follow up every lead and to obtain actual copies of tests, manuals, and other accessories. Many promising leads evaporated when it was found that the tests in question were essentially aptitude measures intended to predict

Exhibit A

EDUCATIONAL TESTING SERVICE

Survey of Occupational Tests

To assist in the compilation of a Directory of Vocational-Technical Tests, please send any descriptive materials you may have about any tests in the following areas or in related areas. Specimen copies of tests and accessory materials will also be appreciated.

AGRICULTURE: (Includes agri-business, agronomy, animal husbandry, forestry, game and fish management, recreational agriculture, landscape technology.)

AUTOMOTIVE AND AVIATION TRADES: (Includes auto and diesel mechanics, auto body work, heavy equipment, fluidics, aircraft mechanics.)

BUILDING TRADES: (Includes carpentry, electrical work, plumbing, heating and air conditioning, sheet metal.)

DISTRIBUTIVE EDUCATION: (Includes merchandising, marketing, transportation, insurance.)

DRAFTING, PRINTING, AND GRAPHIC ARTS: (Includes printing by various processes, technical illustration, mechanical and architectural drafting, commercial art, photography.)

ELECTRONICS: (Includes all occupations which utilize training in electronics, radio-TV repair, and servicing data processing equipment.)

FOODS AND HOSPITALITY: (Includes home economics and all segments of hotel/motel and restaurant industry.)

HEALTH OCCUPATIONS: (Includes all allied health fields such as nursing, dental, medical lab, physical-occupational therapy.)

MACHINE TRADES: (Includes machinists, tool and die, milling, planing, boring, fabricating, machine technology.)

OFFICE OCCUPATIONS: (Includes typing, shorthand, office practice, computer programing, data processing.)

PUBLIC AND PERSONAL SERVICE: (Includes law enforcement, governmental services, social welfare, barbering and cosmetology.)

Please send all material to Dr. Benjamin Shimberg, Educational Testing Service, Princeton, New Jersey 08540.

success in various occupational training programs, rather than measures of achievement in such programs. In several instances, the trail led to individuals who had compiled "item banks" in one or more occupational fields. While such tests or item pools cannot be considered "standardized" tests, some of them have been included because it was felt that the material might nevertheless be useful to vocational teachers. However, tests included in textbooks and workbooks have not been included because it was felt that most vocational teachers would probably be familiar with such material in their field of specialization.

One of the major criteria used to guide decisions regarding inclusion or exclusion in the Directory was the matter of availability. The authors decided that unless there was some likelihood of vocational educators gaining access to a test, there was not much point in listing it. For example, several states--notably California and Florida--have well-developed occupational competency testing programs for certifying vocational teachers or for granting academic credit for vocational experiences. However, the tests developed for use in such programs are not available to vocational educators. Indeed, the director of one program asked specifically that his tests not be included in the Directory, since he felt that this would only generate a great deal of unproductive correspondence. Tests used by state and local governments for licensing, certification, or Civil Service purposes have similarly been excluded as there is little likelihood that these agencies would make any of their tests available for use by vocational educators.

A number of tests whose use is restricted have been included. For example, the various trade tests produced by the Industrial Materials Laboratory at Ohio State University are

not available to individual teachers. However, arrangements may often be made for their use in citywide and statewide evaluation programs as well as for research projects. It was decided to list such tests with an appropriate notation regarding their restricted nature.

In several instances, materials were found which were not actually "published". For example, Dr. Thomas Baldwin (at the University of North Carolina) had developed tests in a number of trade and technical fields under a grant from the U. S. Office of Education. As of the time this Directory went to press, Dr. Baldwin had not made arrangements with a publisher for the dissemination of his instruments. However, he agreed that it would be appropriate to list his materials in the Directory so that interested persons could get in touch with him directly to ascertain availability.

Nor are all of the materials listed actually "tests". The "Trainer-Tester" devices are rather ingenious performance measures of trouble-shooting ability in such fields as electronics and automotive repair. The fact that they are paper-and-pencil instruments and potentially useful to vocational educators argued for their inclusion. Similarly, the various item pools in the field of nursing and in trade and industrial education would not qualify as "tests", yet some educators might find them a useful source of items; hence they too have been included. Finally, it is worth noting that while the materials produced by the Educational Objectives Exchange do not qualify as tests, they do contain sample questions to illustrate item-types suitable for measuring various objectives. Insofar as these materials are potentially useful and might not otherwise be known to teachers, the authors felt that inclusion was warranted.

The description of each test includes information about authorship; date of publication; time required for administration; number of forms available; content coverage; source from which test may be obtained; cost of booklets and specimen sets; and type of scoring available. Unless otherwise indicated, all of the tests listed are suitable for use in secondary and post-secondary programs. However, nursing tests are intended for post-secondary programs only.

For the most part, statistical information about each test has been taken directly from the test manual or from descriptive material provided by the publisher. No attempt has been made to evaluate the quality of the statistical techniques used, the adequacy of the samples, or the existence of other research which might yield supplementary data about the test. The authors have endeavored to describe each test objectively and to avoid making evaluative judgments. However, some of the comments, such as references to the lack of pictorial material or the poor quality of reproduction, might be construed as editorial in nature. We urge readers to bear in mind that our goal has been a limited one: to locate potentially useful tests and evaluative material and to provide a bare minimum of essential information. It would then be up to an interested teacher or researcher to follow up promising leads and decide for himself whether a given instrument is likely to meet his needs.

Users of this Directory who would like to know what experts think about a given test will find a number of the instruments reviewed in the Mental Measurements Yearbook, published by Dr. Oscar K. Buros, Gryphon Press, 220 Montgomery Street, Highland Park, New Jersey 08904. To facilitate the location of such reviews, the authors have noted in which issue of the Mental Measurements Yearbook a test review will be found.

For each test that has been reviewed, a notation appears at the bottom of the page. For example, MMY 6:35 indicates that the test review appears in the Sixth Mental Measurements Yearbook review No. 35. The sixth edition (the most recent Yearbook available) was published in 1965. The seventh edition is to be published in 1972 and will contain reviews of many of the tests listed in this Directory.

While the authors have made every effort to make this listing as accurate and up-to-date as possible, it is likely that some errors of fact will be found; the price of specimen sets may have changed; a publisher may have moved; a test may no longer be in print; or a new edition may have superseded the one listed. The authors apologize for any errors that may have crept into the Directory inadvertently. They would appreciate receiving accurate and up-to-date information about any of the tests listed.

The authors would also like to have information about any relevant tests or related materials that may have been overlooked. The fact that we found no tests in the fields of Agriculture or in Foods and Hospitality, suggests that we may not be reaching the proper sources of information. We therefore urge readers who may know of other tests that they think ought to be included to send us details. With such assistance, future editions of the Directory should be more comprehensive and more useful.

Finally, the authors would welcome comments from users. Has the Directory been helpful? In what ways? Should it be continued? How can it be improved?

AUTOMOTIVE TRADES

Test Title: ACHIEVEMENT TEST FOR AUTOMOTIVE MECHANICS

Author(s):

Publisher: For information, consult:
Dr. Thomas S. Baldwin
School of Education
University of North Carolina
Chapel Hill, North Carolina 27514

Copyright Date: 1968 Cost of Test Books:

Forms Available: One Specimen Set:

Standardization Data: Percentile and standard score norms (N=525).
Reliability: r=.97 (KR 14).

Time to Administer: 4 hours

Answer Sheet and Scoring: Separate answer sheet. Hand- or machine-score.

Test Description: 295 four-choice multiple-choice items covering

Engines
Fuel Systems
Electrical Systems
Chassis and Suspensions
Brakes
Air Conditioning
Power Trains

This test is designed for junior college/technical institute level.

NOTE: This test was developed under a USOE grant. As of April 1971, arrangements for publication and distribution had not been completed.

Test Title: AUTO BODY, OHIO TRADE AND INDUSTRIAL EDUCATION TESTS

Author(s):

Publisher: Industrial Materials Laboratory
Trade and Industrial Education
The Ohio State University
1885 Neil Avenue
Columbus, Ohio 43201

Copyright Date: 1970

Cost of Test Books: Inquire of publisher

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms for total and part scores.

Time to Administer: 4 hours in two sessions.

Answer Sheet and Scoring: Separate answer sheet. Centralized machine scoring service.

Test Description: 290 multiple-choice items covering:

Welding
Metal-Forming
Body Filler
Refinishing
Trim and Hardware
Parts Replacement
Alignment
Glass Replacement
Fiber Glass Repair
Frame and Unit Body
Electrical System
Cooling and Air Conditioning
Shop Management
Applied Science
Applied Mathematics

NOTE: Restricted test, not available to individual teachers. School officials may arrange for use.

Title: AUTO MECHANICS

Publisher: The Instructional Objectives Exchange
P.O. Box 24095
Los Angeles, California 90024

Publication Date: 1970 Cost: $8.00

Description: This is NOT a standardized test. It is a list of instructional objectives with examples of measurement items suitable for measuring achievement of each objective.

This Collection contains 185 objectives and related evaluation items for auto mechanics, grades 10 through 12. It concentrates on the processes involved in auto tune-up and repair. There are two sections: Section 1, Objectives 1-140, contains objectives which call for demonstrations of these processes; Section 2, Objectives 141-185, contains objectives which call for written responses to questions based on the processes involved in auto tune-up and repair.

Test Title: AUTO MECHANICS TRADE COMPETENCY EXAMINATION

Author(s):

Publisher: Department of Industrial Education
Eastern Michigan University
Ypsilanti, Michigan 48197

Copyright Date: 1969 Cost of Test Books: $5, less in large quantities

Forms Available: Item pool for assembly of forms on demand.

Specimen Set: $5

Standardization Data: Percentile norms, item analysis by administration and cumulative.

Time to Administer: Untimed.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring service.

Test Description: 300 four-choice multiple-choice items covering

Automotive Concepts
Testing Equipment
Engine Operation
Electrical Systems
Chassis

Items are computer printout; there are no illustrated items.

Test Title: AUTOMOTIVE MECHANICS, OHIO TRADE AND INDUSTRIAL EDUCATION TESTS

Author(s):

Publisher: Industrial Materials Laboratory
Trade and Industrial Education
The Ohio State University
1885 Neil Avenue
Columbus, Ohio 43201

Copyright Date: 1961

Cost of Test Books: Inquire of publisher

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms for total and part scores.
Validity studies have been conducted.
Reliability: r=.95 (N=400, split-half method)

Time to Administer: 3 hours, two sessions.

Answer Sheet and Scoring: Separate answer sheet. Centralized machine scoring service.

Test Description: 306 multiple-choice items covering:

Engine
Fuel System
Suspension System
Brakes
Basic Equipment and Tools
Science
Cooling System
Electrical System
Power Train
Steering System
General Service

NOTE: Restricted test, not available to individual teachers. School officials may arrange for use.

Test Title: EXAMINATION IN AUTOMOTIVE MECHANICS

Author(s):

Publisher: The University of the State of New York
The State Department of Education
Albany, New York 12224

Copyright Date: 1969, annual revision.

Cost of Test Books: User arranges for reproduction

Forms Available: One

Specimen Set:

Standardization Data: None. Examination is provided to vocational school as a sample examination. It may be modified by the local school in any way that the individual teacher wishes.

Time to Administer: 3 hours.

Answer Sheet and Scoring: Separate answer sheet. Hand-score.

Test Description: 150 four-choice multiple-choice items covering Terminology, Identification and Analysis of Defects, Automotive Engines, Running Gear, and Electricity.

Test Title: HEAVY EQUIPMENT AND DIESEL TRADES

Author(s):

Publisher: Department of Industrial Education
Eastern Michigan University
Ypsilanti, Michigan 48197

Copyright Date: 1969

Cost of Test Books: $5, less in large quantities

Forms Available: Item pool for assembly of forms on demand.

Speciment Set: $5

Standardization Data: Percentile norms, item analysis by administration and cumulative.

Time to Administer: Untimed.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring service.

Test Description: 320 four-choice multiple-choice items covering

Basic and Diesel Engines
Fuel and Electrical Components
Shop Practices
Diesel Fuels and Injection Systems
Clutches, Transmissions, and Fluid Drive
Air Brakes
Hydraulics

Items are computer printout; there are no illustrated items.

Test Title:	SHORT OCCUPATIONAL KNOWLEDGE TEST FOR AUTO MECHANICS
Author(s):	Bruce A. Campbell and Suellen O. Johnson
Publisher:	Science Research Associates 259 East Erie Street Chicago, Illinois 60611
Copyright Date:	1969 Cost of Test Books: 20/$4
Forms Available:	One Specimen Set: $2 (estimate)
Standardization Data:	Scores categorized as Fail, Unclassifiable, or Pass. Validity: 83.9% of subjects properly categorized as skilled or unskilled (N=154), with Unclassifiable dropped out. Reliability: r=.88 (N=158, KR 20).
Time to Administer:	Untimed; 15 minutes should be adequate.
Answer Sheet and Scoring:	Answers marked on test sheet, scored by counting marks in boxes on back of carbon interleaved sheet.
Test Description:	20 five-choice multiple-choice items concerning automotive definitions and measurements.

BUILDING TRADES

Test Title: ACHIEVEMENT TEST FOR AIR CONDITIONING, HEATING AND REFRIGERATION

Author(s):

Publisher: For information, consult:
Dr. Thomas S. Baldwin
School of Education
University of North Carolina
Chapel Hill, North Carolina 27514

Copyright Date: 1968 Cost of Test Books:

Forms Available: One Specimen Set:

Standardization Data: Percentile and standard score norms (N=204).
Reliability: r=.95 (KR 14).

Time to Administer: 4 hours.

Answer Sheet and Scoring: Separate answer sheet. Hand- or machine-scored.

Test Description: 250 four-choice multiple-choice items covering

Principles of Refrigeration
Refrigeration Applications
Controls
Air Conditioning
Blueprint Reading and Estimating
Materials, Tools, and Safety

Many illustrations. This test is designed for junior college/technical institute level.

NOTE: This test was developed under a USOE grant. As of April 1971, arrangements for publication and distribution had not been completed.

Test Title: ACHIEVEMENT TEST FOR ELECTRICAL INSTALLATION AND MAINTENANCE (INDUSTRIAL ELECTRICITY)

Author(s):

Publisher: For information, consult:
Dr. Thomas S. Baldwin
School of Education
University of North Carolina
Chapel Hill, North Carolina 27514

Copyright Date: 1968 Cost of Test Books:

Forms Available: One Specimen Set:

Standardization Data: Percentile and standard score norms (N=212).
Reliability: r=.94 (KR 14).

Time to Administer: 4 hours

Answer Sheet and Scoring: Separate answer sheet. Hand- or machine-scored.

Test Description: 235 four-choice multiple-choice items covering

Basic Electronic Theory
Machines and Controls
Construction Wiring
Industrial Electricity Applications
Diagnosis of Electrical Malfunctions
Personnel and Equipment Safety

Well illustrated. This test is designed for junior college/technical institute level.

NOTE: This test was developed under a USOE grant. As of April April 1971, arrangements for publication and distribution had not been completed.

Test Title: BASIC ELECTRICITY, OHIO TRADE AND INDUSTRIAL EDUCATION TESTS

Author(s):

Publisher: Industrial Materials Laboratory
Trade and Industrial Education
The Ohio State University
1885 Neil Avenue
Columbus, Ohio 43201

Copyright Date: 1962

Cost of Test Books: Inquire of publisher

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms for total and part scores.
Validity studies have been conducted.
Reliability: r=.93 (N=411, KR 20).

Time to Administer: 3 hours

Answer Sheet and Scoring: Separate answer sheet. Centralized machine scoring service.

Test Description: 240 multiple-choice items covering:

Direct Current
Laws of Magnetism
Alternating Current
Measurement
Construction Wiring
Diagnosis and Maintenance
Circuit Tracing
Applied Mathematics
Applied Science

NOTE: Restricted test, not available to individual teachers. School officials may arrange for use.

Test Title: CARPENTRY TRADE COMPETENCY EXAMINATION

Author(s):

Publisher: Department of Industrial Education
Eastern Michigan University
Ypsilanti, Michigan 48197

Copyright Date: 1969 Cost of Test Books: $5, less in large quantities

Forms Available: Item pool for assembly of forms on demand.

Specimen Set: $5

Standardization Data: Percentile norms, item analysis by administration and cumulative

Time to Administer: Untimed.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring service.

Test Description: 215 four-choice multiple-choice items covering

Basic Fundamentals
Hand Tools
Power Tools
Fastening
Materials
Rough Carpentry

Items are computer printout; there are no illustrated items.

Test Title: ELECTRICAL SOPHISTICATION TEST

Author(s): Stanley G. Ciesla

Publisher: Psychometric Affiliates
1743 Monterey Street
Chicago, Illinois 60643

Copyright Date: 1963 Cost of Test Books: 25/$2.50

Forms Available: One Specimen Set: $1.00

Standardization Data: Percentile norms for various groups including random job applicants (N=217), electricians (N=87), and electrical engineers (N=281).

Validity inferred from differences in mean scores of groups such as random job applicants, electricians, and electrical engineers.

Reliability: Test-retest: r=.74 (N=238 college men, seven week interval).

Tests of significance not reported.

Time to Administer: Untimed, 10 minutes should be adequate.

Answer Sheet and Scoring: Answer on test sheet. Hand score.

Test Description: 14 four-choice multiple-choice items; five cover relays, the others cover various factors of simple electricity.

Very crowded layout, poor reproduction.

Test Title: EXAMINATION IN CARPENTRY

Author(s):

Publisher: The University of the State of New York
The State Department of Education
Albany, New York 12224

Copyright Date: 1969, annual revision.

Cost of Test Books: User arranges for reproduction

Forms Available: One

Specimen Set:

Standardization Data: None. Examination is provided to vocational school as a sample examination. It may be modified by the local school in any way that the individual teacher wishes.

Time to Administer: 3 hours.

Answer Sheet and Scoring: Separate answer sheet. Hand-score.

Test Description:

Part One has 120 four-choice multiple-choice items covering Carpentry Practices, Terminology, and Calculations.

Part Two has 5 four-choice multiple-choice items dealing with Carpenters' Calculations.

Part Three has 8 multi-part questions of which the student is required to answer 5. Questions involve Identification of Building Parts, Tool Usage, and Sketching.

Test Title: PURDUE TRADE INFORMATION TEST IN CARPENTRY

Author(s): Joseph Tiffin and Robert F. Mengelkoch

Publisher: University Book Store
360 State Street
West Lafayette, Indiana 47906

Copyright Date: 1952 Cost of Test Books: 25/$5

Forms Available: One Specimen Set: 50¢

Standardization Data: Percentile norms (N=186 students).
Stepped-up split-half reliability: r=.94 (N=48

Time to Administer: Untimed. 30-45 minutes adequate.

Answer Sheet and Scoring: Answer in test book. Hand-score.

Test Description: 94 four-choice multiple-choice items; almost all involve definitions of trade terms. No pictorial items.

MMY-5=943

Test Title:	PURDUE TRADE INFORMATION TEST FOR SHEET METAL WORKERS
Author(s):	J. Tiffin, B. R. Modisette, and Warren B. Griffin
Publisher:	University Bookstore 360 State Street West Lafayette, Indiana 47906
Copyright Date:	1958 Cost of Test Books: 25/$5
Forms Available:	One Specimen Set: 50¢
Standardization Data:	Percentile norms (N=47). Reliability: r=.77 to .90 (KR 20). Validity: mean difference between journeymen and students significant at .01 level.
Time to Administer:	Untimed. 30-45 minutes adequate.
Answer Sheet and Scoring:	Answer in test book. Hand-score.
Test Description:	35 four-choice multiple-choice items; primarily definitions and terminology: only two items use illustrations.

MMY-5=942

Test Title: SHEET METAL, OHIO TRADE AND INDUSTRIAL EDUCATION TESTS

Author(s):

Publisher: Industrial Materials Laboratory
Trade and Industrial Education
The Ohio State University
1885 Neil Avenue
Columbus, Ohio 43201

Copyright Date: 1964

Cost of Test Books: Inquire of publisher

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms for total and part scores. Validity studies have been conducted. Reliability: r=.88 (N=67 high school seniors, KR 20).

Time to Administer: 6 hours in two sessions.

Answer Sheet and Scoring: Separate answer sheet. Centralized machine scoring service.

Test Description: 244 multiple-choice items covering

Blueprint Reading
Applied Science
Mathematics
Hand Tool Operations
Machine Operations
Soldering
Special Operations
Mechanical Drawing
Freehand Sketching
Metals
Nonmetallic Materials
Layout
Fabricating
Welding

NOTE: Restricted test, not available to individual teachers. School officials may arrange for use.

Test Title: REFRIGERATION, HEATING, AND AIR CONDITIONING

Author(s):

Publisher: Department of Industrial Education
Eastern Michigan University
Ypsilanti, Michigan 48197

Copyright Date: 1969

Cost of Test Books: $5, less in large quantities

Forms Available: Item pool for assembly of forms on demand.

Specimen Set: $5

Standardization Data: Percentile norms, item analysis by administration and cumulative.

Time to Administer: Untimed.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring service.

Test Description: 308 four-choice multiple-choice items covering

Refrigeration Fundamentals
Advanced Refrigeration
Basic Air Conditioning
Heating Fundamentals
Advanced Air Conditioning and Heating
Basic and Advanced Electricity

Items are computer printout; there are no illustrated items.

Test Title: SHORT OCCUPATIONAL KNOWLEDGE TEST FOR CARPENTERS

Author(s): Bruce A. Campbell and Suellen O. Johnson

Publisher: Science Research Associates
259 East Erie Street
Chicago, Illinois 60611

Copyright Date: 1969 Cost of Test Books: 20/$4

Forms Available: One Specimen Set: $2 (estimate)

Standardization Data: Scores categorized as Fail, Unclassifiable, or Pass.
Validity: 87.5% of qualified and unqualified subjects properly categorized with Unclassifiable dropped out.
Reliability: r=.63 (N=54, KR 20).

Time to Administer: Untimed; 15 minutes usually adequate.

Answer Sheet and Scoring: Answers marked on test sheet. Test scored by counting marks in boxes on back of carbon interleaved sheet.

Test Description: 20 five-choice multiple-choice items covering technical terminology, measurements used in carpentry.

Test Title:	SHORT OCCUPATIONAL KNOWLEDGE TEST FOR ELECTRICIANS
Author(s):	Bruce A. Campbell and Suellen O. Johnson
Publisher:	Science Research Associates 259 East Erie Street Chicago, Illinois 60611
Copyright Date:	1969 Cost of Test Books: 20/$4
Forms Available:	One Specimen Set: $2 (estimate)
Standardization Data:	Scores categorized as Fail, Unclassifiable, or Pass. Validity: 82.9% of subjects correctly categorized as qualified or unqualified (N=162), with Unclassifiable dropped out. Reliability: r=.70 (N=162, KR 20).
Time to Administer:	Untimed; 15 minutes should be adequate.
Answer Sheet and Scoring:	Answers marked on test sheet. Scored by counting marks in boxes on back of carbon interleaved sheet.
Test Description:	18 five-choice multiple-choice items covering electrical terminology, trade practices, and computation.

Test Title: SHORT OCCUPATIONAL KNOWLEDGE TEST FOR PLUMBERS

Author(s): Bruce A. Campbell and Suellen O. Johnson

Publisher: Science Research Associates
259 East Erie Street
Chicago, Illinois 60611

Copyright Date: 1970 Cost of Test Books: 20/$4

Forms Available: One Specimen Set: $2 (estimate)

Standardization Data: Scores classified as Fail, Unclassifiable, or Pass.
Validity: 89% of pretest subjects correctly categorized as qualified or unqualified, with "Unclassifiable" dropped out.
Reliability: r=.71 (pretest sample N=192, KR 20).
Alternate form correlation, r=.87 (pretest N=192).

Time to Administer: Untimed; 15 minutes should be adequate.

Answer Sheet and Scoring: Answers marked on test sheet. Scored by counting marks in boxes on back of carbon interleaved sheet.

Test Description: 20 five-choice multiple-choice items covering plumbing practices and terminology; several illustrated items.

Test Title: WOODS, COOPERATIVE INDUSTRIAL ARTS TESTS

Author(s):

Publisher: Educational Testing Service
Princeton, New Jersey 08540

Copyright Date: 1969 Cost of Test Books: 20/$7

Forms Available: Two Specimen Set: $3 for series

Standardization Data: Percentile norms
Validity: Content
Reliability: r=.81 (N=960, KR 20).

Time to Administer: 35 minutes

Answer Sheet and Scoring: Separate answer sheet. Hand- or machine-score.

Test Description: 50 four-choice multiple-choice items covering

Tools
Material
Processes
Safety
Wood Industry

Test is designed for pupils in grades 7, 8, 9 who have completed a one-semester course in Woods.

Title: WOODWORKING

Publisher: The Instructional Objectives Exchange
P.O. Box 24095
Los Angeles, California 90024

Publication Date: 1970 Cost: $8.00

Description: This is NOT a standardized test. It is a list of instructional objectives with examples of measurement items suitable for measuring achievement of each objective.

This Collection is composed of 55 objectives and related evaluation items for Woodworking, grades 7 through 12.

DRAFTING, PRINTING, AND GRAPHIC ARTS

Test Title: DRAFTING TRADE COMPETENCY EXAMINATION

Author(s):

Publisher: Department of Industrial Education
Eastern Michigan University
Ypsilanti, Michigan 48197

Copyright Date: 1969 Cost of Test Books: $5, less in large quantities

Forms Available: Item pool for assembly of forms on demand.

Specimen Set: $5

Standardization Data: Percentile norms, item analysis by administration and cumulative

Time to Administer: Untimed.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring service.

Test Description: 274 four-choice multiple-choice items covering

Equipment and Materials
Fundamental Operations
Dimensioning
Shapes, Views, Projections
Machine Drawing
Threads and Fasteners
Architectural Drawing
Related Information
Reproduction Drawings

Items are computer printout; there are no illustrated items.

Test Title: DRAWING, COOPERATIVE INDUSTRIAL ARTS TESTS

Author(s):

Publisher: Educational Testing Service
Princeton, New Jersey 08540

Copyright Date: 1969

Cost of Test Books: 20/$7

Forms Available: Two

Specimen Set: $3 for series

Standardization Data: Percentile norms
Validity: content
Reliability: r=.77 (N=780, KR 20).

Time to Administer: 35 minutes

Answer Sheet and Scoring: Separate answer sheet. Hand- or machine-score.

Test Description: 50 four-choice multiple-choice items covering

Shape Description
Size Description
Drawing Techniques
Equipment, Tools, and Material
Other Drawing Procedures and Practices

More than half of the items are illustrated.

Test is designed for pupils in grades 7, 8, 9 who have completed a one-semester course in Drawing.

Test Title: EXAMINATION IN ARCHITECTURAL DRAFTING AND BUILDING CONSTRUCTION

Author(s):

Publisher: The University of the State of New York
The State Department of Education
Albany, New York 12224

Copyright Date: 1969

Cost of Test Books: User arranges for reproduction

Forms Available: One

Specimen Set:

Standardization Data: None. Examination is provided to vocational school as a sample examination. It may be modified by the local school in any way that the individual teacher wishes.

Time to Administer: 3 hours.

Answer Sheet and Scoring: Answer in separate answer booklet. Hand-score.

Test Description: 15 four-choice multiple-choice items on Drafting and Construction Principles, Procedures, and Terminology. Four items require the drawing or sketching of diagrams and plans; four items ask for calculation of materials requirements, etc.; and two items (student to answer only one) require calculations for selection and placement of steel beams.

Test Title: GENERAL DRAFTING: A COMPREHENSIVE EXAMINATION

Author(s): Robert E. Blum

Publisher: McGraw-Hill, Inc.

Copyright Date: 1969 Cost of Test Books: $1.08 each

Forms Available: One Specimen Set: $1.08

Standardization Data: Percentile norms by state and by amount of training (32 groups). Correlation between course grade and test score equals .52 (N=3657). Reliability: r=.92 (N=3657, (KR 20). Content validity assumed by comparison of test to usual first course in drafting.

Time to Administer: 100 minutes

Answer Sheet and Scoring: Answer in test book. Hand-score.

Test Description: 140 four-choice multiple-choice items. There are 77 figures, some used for more than one item. Topics covered are:

Drawing Equipment and Material
Lettering
Applied Geometry
Sketching
Screw Threads and Fasteners
Pictorial Drawing
Orthographic Projection
Dimensioning
Sections and Conventions
Auxiliaries

Test Title: MECHANICAL DRAFTING, OHIO TRADE AND INDUSTRIAL EDUCATION TESTS

Author(s):

Publisher: Industrial Materials Laboratory
The Ohio State University
1885 Neil Avenue
Columbus, Ohio 43201

Copyright Date: 1963 Cost of Test Books: Inquire of publisher

Forms Available: One Specimen Set:

Standardization Data: Percentile norms for total and part scores. Validity studies have been conducted. Reliability: r=.93 (N=387 high school seniors, KR 20).

Time to Administer: 6 hours in two sessions.

Answer Sheet and Scoring: Separate answer sheet. Centralized machine-scoring service.

Test Description: 250 multiple-choice items covering

Drafting Materials and Equipment
Dimensioning
Auxiliary Views
Threads and Fasteners
Production or Working Drawings
Machine Elements
Auxiliary Information
Industrial Processes
Materials of Industry
Applied Science
Orthographic Projection
Sectional Views
Pictorial Drawing
Intersections and Developments
Geometric Drawing
Lettering
Reproduction of Drawings
Mathematics

NOTE: Restricted test, not available to individual teachers. School officials may arrange for use.

Title: MECHANICAL DRAWING

Publisher: The Instructional Objectives Exchange
P.O. Box 24095
Los Angeles, California 90024

Publication Date: 1970 Cost: $8.00

Description: This is NOT a standardized test. It is a list of instructional objectives with examples of measurement items suitable for measuring achievement of each objective.

This Collection contains 85 objectives and related evaluation items for Mechanical Drawing, grades 7-12. It is organized into the following categories: basic drafting skills, beginning lettering, making the drawings, orthographic projections, dimensioning, scale drawing, pictorial drawings, section drawing, auxiliary views, production notations, thread conventions and symbols, assembly and detail drawings, and reference symbols.

Test Title: MODERN PHOTOGRAPHY COMPREHENSION TEST

Author(s): Martin M. Bruce

Publisher: Martin M. Bruce, Ph.D.
340 Oxford Road
New Rochelle, New York 10802

Copyright Date: 1969 Cost of Test Books: 20/$5.50

Forms Available: One Specimen Set: $1.50

Standardization Data: Correlation of test scores and scores on a final examination for a college level course in photography =.57 (N=19).
Reliability: Odd-even reliability with a class of college students was .87 (N=19).
Test retest reliability (three-week interval): r=.85.

Time to Administer: Untimed

Answer Sheet and Scoring: Answer in test book. Hand-score.

Test Description: Forty four-choice multiple-choice items concerning darkroom procedures, definition of technical terminology, camera adjustment and use.

Test Title: PRINTING, OHIO TRADE AND INDUSTRIAL EDUCATION TESTS

Author(s):

Publisher: Industrial Materials Laboratory
The Ohio State University
1885 Neil Avenue
Columbus, Ohio 43201

Copyright Date: 1963

Cost of Test Books: Inquire of publisher

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms for total and part scores. Validity studies have been conducted. Reliability: r=.94 (N=177 high school seniors, KR 20).

Time to Administer: 4 hours in two sessions.

Answer Sheet and Scoring: Separate answer sheet. Centralized machine-scoring service.

Test Description: 340 multiple-choice items covering:

Orientation
Printing Planning
Hand Composition
Photo Composition
Camera Operation
Film Processing
Letterpress Plate-Making
Letterpress Presswork
Applied Science
Lithographic Stripping and Plate-Making
Lithographic Presswork
Binding
Paper Technology
Ink Technology
Mathematics

NOTE: Restricted test, not available to individual teachers. School officials may arrange for use.

Test Title: PRINTING TRADE COMPETENCY EXAMINATION

Author(s):

Publisher: Department of Industrial Education
Eastern Michigan University
Ypsilanti, Michigan 48197

Copyright Date: 1969 Cost of Test Books: $5, less in large quantities

Forms Available: Item pool for assembly of forms on demand.

Specimen Set: $5

Standardization Data: Percentile norms, item analysis by administration and cumulative.

Time to Administer: Untimed.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring service.

Test Description: 274 four-choice multiple-choice items covering

Fundamentals of Composition
Printing Processes
Offset Printing
Gravure and Silk-Screen Processes
Special Machines
Photography
Printing Inks and Paper
Bindery and Related Information
Letterpress

Items are computer printout; there are no illustrated items.

Test Title:	SHORT OCCUPATIONAL KNOWLEDGE TEST FOR DRAFTSMEN
Author(s):	Bruce A. Campbell and Suellen O. Johnson
Publisher:	Science Research Associates 259 East Erie Street Chicago, Illinois 60611
Copyright Date:	1969
Cost of Test Books:	20/$4
Forms Available:	One
Specimen Set:	$2 (estimate)
Standardization Data:	Scores categorized as Fail, Unclassifiable, or Pass. Validity: 92.2% of subjects properly categorized as skilled or unskilled (N=78), with Unclassifiable dropped out. Reliability: r=.78 (N=79, KR20).
Time to Administer:	Untimed; 15 minutes should be adequate.
Answer Sheet and Scoring:	Answers marked on test sheet. Scored by counting marks in boxes on back of carbon interleaved sheet.
Test Description:	19 five-choice multiple-choice items, five of which are illustrated. Other items concern technical definitions and trade practice.

ELECTRONICS

Test Title: ACHIEVEMENT TEST FOR ELECTRONICS TECHNOLOGY

Author(s):

Publisher: For information, consult:
Dr. Thomas S. Baldwin
School of Education
University of North Carolina
Chapel Hill, North Carolina 27514

Copyright Date: 1968 Cost of Test Books:

Forms Available: One Specimen Set:

Standardization Data: Percentile and standard score norms (N=372).
Reliability: r=.96 (KR 14).

Time to Administer: 4 hours.

Answer Sheet and Scoring: Separate answer sheet. Hand- or machine-score.

Test Description: 235 four-choice multiple-choice items covering

Fundamentals of Electricity
Fundamentals of Electronics
Instrumentation
Applications of Electronics
Special Circuitry
Systems Analysis

Many illustrations. This test is designed for junior college/technical institute level.

NOTE: This test was developed under a USOE grant. As of April 1971, arrangements for publication and distribution had not been completed.

Test Title: ACHIEVEMENT TEST FOR RADIO AND TELEVISION SERVICING

Author(s):

Publisher: For information, consult:
Dr. Thomas S. Baldwin
School of Education
University of North Carolina
Chapel Hill, North Carolina 27514

Copyright Date: 1968 Cost of Test Books:

Forms Available: One Specimen Set.

Standardization Data: Percentile and standard score norms (N=152).
Reliability: r=.96 (KR 14).

Time to Administer: 4 hours.

Answer Sheet and Scoring: Separate answer sheet. Hand- or machine-scored.

Test Description: 300 four-choice multiple-choice items covering

Fundamentals of Direct Current
Fundamentals of Alternating Current
Fundamentals of Vacuum Tubes
Semi-Conductors
Circuits
Radio
Television

Numerous illustrations. This test is designed for junior college/technical institute level.

NOTE: This test was developed under a USOE grant. As of April 1971, arrangements for publication and distribution had not been completed.

Test Title: BASIC ELECTRONICS, OHIO TRADE AND INDUSTRIAL EDUCATION TESTS

Author(s):

Publisher: Industrial Materials Laboratory
The Ohio State University
1885 Neil Avenue
Columbus, Ohio 43201

Copyright Date: 1962

Cost of Test Books: Inquire of publisher

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms for total and part scores. Validity studies have been conducted. Reliability: r=.90 (N=508 high school seniors, KR 20).

Time to Administer: 90 minutes

Answer Sheet and Scoring: Separate answer sheet. Centralized machine scoring service.

Test Description: 100 multiple-choice items covering

- Tuning Circuits
- Vacuum Tubes
- Semiconductors
- Power Supplies
- Amplifiers
- Detector Circuits
- Test Equipment
- Oscillator Circuits

NOTE: Restricted test, not available to individual teachers. School officials may arrange for use.

Test Title: ELECTRICITY ELECTRONICS COMPETENCY EXAMINATION

Author(s):

Publisher: Department of Industrial Education
Eastern Michigan University
Ypsilanti, Michigan 48197

Copyright Date: 1969 Cost of Test Books: $5, less in large quantities

Forms Available: Item pool for assembly of forms on demand.

Specimen Set: $5

Standardization Data: Percentile norms, item analysis by administration and cumulative.

Time to Administer: Untimed.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring service.

Test Description: 291 four-choice multiple-choice items covering

Fundamental Concepts
Batteries
Circuits
Testing and Measuring Equipment
Power Sources and Motors
Transmission
Vacuum Tubes
Circuit Components
Rectifiers, Amplifiers, and Oscillators
Modulation and Radar
Computers, Television, and Recording Equipment
Industrial Electronics

Items are computer printout; there are no illustrated items.

Test Title: ELECTRICITY-ELECTRONICS, COOPERATIVE INDUSTRIAL ARTS TESTS

Author(s):

Publisher: Educational Testing Service
Princeton, New Jersey 08540

Copyright Date: 1969 Cost of Test Books: 20/$7

Forms Available: Two Specimen Set: $3 for series

Standardization Data: Percentile norms
Validity: Content
Reliability: r=.88 (KR 20)

Time to Administer: 35 minutes

Answer Sheet and Scoring: Separate answer sheet. Hand- or machine-score.

Test Description: 50 four-choice multiple-choice items covering

Electrons
Circuits
Magnetism
Measurements
Devices
Safety
Occupations
Tools and Materials

Nearly half of the items are illustrated.

Test is designed for pupils in grades 7, 8, 9 who have completed a one-semester course in the subject.

Title: ELECTRONICS

Publisher: The Instructional Objectives Exchange
P.O. Box 24095
Los Angeles, California 90024

Publication Date: 1970 Cost: $8.00

Description: This is NOT a standardized test. It is a list of instructional objectives with examples of measurement items suitable for measuring achievement of each objective.

This Collection contains 50 objectives and related evaluation items for Electronics, grades 7 through 12. It is organized into the following categories: fundamentals, direct-current circuits, primary and secondary batteries, electro-magnetic induction, direct-current generators, direct-current motors and controls, alternating current, single-phase circuits, and operations and maintenance.

Test Title: EXAMINATION IN INDUSTRIAL ELECTRICITY AND ELECTRONICS

Author(s):

Publisher: The University of the State of New York
The State Department of Education
Albany, New York 12224

Copyright Date: 1969, annual revision.

Cost of Test Books: User arranges for reproduction

Forms Available: One

Specimen Set:

Standardization Data: None. Examination is provided to vocational school as a sample examination. It may be modified by the local school in any way that the individual teacher wishes.

Time to Administer: 3 hours.

Answer Sheet and Scoring: Separate answer booklet. Hand-score.

Test Description: Part One is 60 four-choice multiple-choice items covering Electrical and Electronic Terminology, Principles, Calculations, and Shop Practices.

Part Two has two options--Advanced Electricity and Advanced Electronics, each with 10 multi-part problems of which the student is required to answer 8.

Test Title: EXAMINATION IN TECHNICAL ELECTRICITY AND ELECTRONICS

Author(s):

Publisher: The University of the State of New York
The State Department of Education
Albany, New York 12224

Copyright Date: 1969, annual revision.

Cost of Test Books: User arranges for reproduction

Forms Available: One

Specimen Set:

Standardization Data: None. Examination is provided to vocational school as a sample examination. It may be modified by the local school in any way that the individual teacher wishes.

Time to Administer: 3 hours.

Answer Sheet and Scoring: Separate answer sheet. Hand-score.

Test Description: 50 four-choice multiple-choice items, including Electrical and Electronic Terminology, Calculations, and Principles. Eight items (student to answer six) requiring calculations and graph-reading; three optional sections, each including five items (the student to answer four) on Advanced Electricity, Advanced Electronics, or Computers.

Test Title: TROUBLESHOOTING TRAINER-TESTER* DEVICE FOR THE BASIC POSITIONING SERVO SYSTEM (ELECTRONICS)

Author(s):

Publisher: Van Valkenburgh, Nooger and Neville, Inc.
15 Maiden Lane
New York, New York 10038

Copyright Date: 1954, 1961

Cost of Test Books: Approximately 35¢ per problem sheet

Forms Available: 8 troubleshooting problems

Specimen Set: 4-problem package, $2.35

Standardization Data:

Time to Administer: Variable. Time to complete may be a scoring element.

Answer Sheet and Scoring: Answer on problem sheet. Hand-score by judging adequacy of problem-solving sequence.

Test Description: Problem sheet describes a trouble in the unit. The examinee obtains test instrument readings at test points of his choice by erasing an ink overprint in a "symptom" area on the sheet. He numbers each erasure in sequence to record his troubleshooting path. When he believes he has isolated the fault, he indicates a part replacement or adjustment by an erasure in the "remedy" area. Schematic and wiring diagrams, and equipment photographs are supplied on auxiliary sheets. The trainer-tester provides realistic experience in troubleshooting logic in a paper and pencil format.

Note: *"Trainer-tester" is a registered trademark.

Test Title: TROUBLESHOOTING TRAINER-TESTER* DEVICE FOR THE BASIC RADAR SYSTEM (ELECTRONICS)

Author(s):

Publisher: Van Valkenburgh, Nooger and Neville, Inc.
15 Maiden Lane
New York, New York 10038

Copyright Date: 1954, 1961

Cost of Test Books: Approximately 35¢ per problem sheet

Forms Available: 8 troubleshooting problems

Specimen Set: 4-problem package, $2.35

Standardization Data:

Time to Administer: Variable. Time to complete may be a scoring element.

Answer Sheet and Scoring: Answer on problem sheet. Hand-score by judging adequacy of problem-solving sequence.

Test Description: Problem sheet describes a trouble in the unit. The examinee obtains test instrument readings at test points of his choice by erasing an ink overprint in a "symptom" area on the sheet. He numbers each erasure in sequence to record his troubleshooting path. When he believes he has isolated the fault, he indicates a part replacement or adjustment by an erasure in the "remedy" area. Schematic and wiring diagrams, and equipment photographs are supplied on auxiliary sheets. The trainer-tester provides realistic experience in troubleshooting logic in a paper and pencil format.

Note: *"Trainer-tester" is a registered trademark.

Test Title: TROUBLESHOOTING TRAINER-TESTER* DEVICE FOR THE BLACK AND WHITE TELEVISION RECEIVER (RCA-ACS78) (ELECTRONICS)

Author(s):

Publisher: Van Valkenburgh, Nooger and Neville, Inc.
15 Maiden Lane
New York, New York 10038

Copyright Date: 1954, 1961

Cost of Test Books: Approximately 35¢ per problem sheet

Forms Available: 3 troubleshooting problems

Specimen Set: $1.95

Standardization Data:

Time to Administer: Variable. Time to complete may be a scoring element.

Answer Sheet and Scoring: Answer on problem sheet. Hand-score by judging adequacy of problem-solving sequence.

Test Description: Problem sheet describes a trouble in the unit. The examinee obtains test instrument readings at test points of his choice by erasing an ink overprint in a "symptom" area on the sheet. He numbers each erasure in sequence to record his troubleshooting path. When he believes he has isolated the fault, he indicates a part replacement or adjustment by an erasure in the "remedy" area. Schematic and wiring diagrams, and equipment photographs are supplied on auxiliary sheets. The trainer-tester provides realistic experience in troubleshooting logic in a paper and pencil format.

NOTE: *"Trainer-tester" is a registered trademark.

Test Title: TROUBLESHOOTING TRAINER-TESTER* DEVICE FOR ELECTRONIC CIRCUITS

Author(s):

Publisher: Van Valkenburgh, Nooger and Neville, Inc.
15 Maiden Lane
New York, New York 10038

Copyright Date: 1954, 1961

Cost of Test Books: Approximately 35¢ per problem sheet

Forms Available: 12 troubleshooting problems

Specimen Set: 6-problem package $2.95

Standardization Data: Validity: students trained with trainer-tester simulators and actual hardware were significantly superior to those trained with hardware only.

Time to Administer: Variable. Time to complete may be a scoring element.

Answer Sheet and Scoring: Answer on problem sheet. Hand-score by judging adequacy of problem-solving sequence.

Test Description: Problem sheet describes a trouble in the unit. The examinee obtains test instrument readings at test points of his choice by erasing an ink overprint in a "symptom" area on the sheet. He numbers each erasure in sequence to record his troubleshooting path. When he believes he has isolated the fault, he indicates a part replacement or adjustment by an erasure in the "remedy" area. Schematic and wiring diagrams, and equipment photographs are supplied on auxiliary sheets. The trainer-tester provides realistic experience in troubleshooting logic in a paper and pencil format.

Note: *"Trainer-tester" is a registered trademark.

Test Title: TROUBLESHOOTING TRAINER-TESTER* DEVICE FOR THE PUSH-PULL AMPLIFIER (ELECTRONICS)

Author(s):

Publisher: Van Valkenburgh, Nooger and Neville, Inc.
15 Maiden Lane
New York, New York 10038

Copyright Date: 1954, 1961

Cost of Test Books: Approximately 35¢ per problem sheet

Forms Available: 12 troubleshooting problems

Specimen Set: 6-problem package $2.95

Standardization Data: Validity: students trained with trainer-tester simulators and actual hardware were significantly superior to those trained with hardware only.

Time to Administer: Variable. Time to complete may be a scoring element.

Answer Sheet and Scoring: Answer on problem sheet. Hand-score by judging adequacy of problem-solving sequence.

Test Description: Problem sheet describes a trouble in the unit. The examinee obtains test instrument readings at test points of his choice by erasing an ink overprint in a "symptom" area on the sheet. He numbers each erasure in sequence to record his troubleshooting path. When he believes he has isolated the fault, he indicates a part replacement or adjustment by an erasure in the "remedy" area. Schematic and wiring diagrams, and equipment photographs are supplied on auxiliary sheets. The trainer-tester provides realistic experience in troubleshooting logic in a paper and pencil format.

Note: *"Trainer-tester" is a registered trademark.

Test Title: TROUBLESHOOTING TRAINER-TESTER* DEVICE FOR THE SUPERHETERODYNE RECEIVER (ELECTRONICS)

Author(s):

Publisher: Van Valkenburgh, Nooger and Neville, Inc.
15 Maiden Lane
New York, New York 10038

Copyright Date: 1954, 1961

Cost of Test Books: Approximately 35¢ per problem sheet

Forms Available: 24 troubleshooting problems

Specimen Set: 6-problem package, $2.95

Standardization Data: Validity: students trained with trainer-tester simulators and actual hardware were significantly superior to those trained with hardware only.

Time to Administer: Variable. Time to complete may be a scoring element.

Answer Sheet and Scoring: Answer on problem sheet. Hand-score by judging adequacy of problem-solving sequence.

Test Description: Problem sheet describes a trouble in the unit. The examinee obtains test instrument readings at test points of his choice by erasing an ink overprint in a "symptom" area on the sheet. He numbers each erasure in sequence to record his troubleshooting path. When he believes he has isolated the fault, he indicates a part replacement or adjustment by an erasure in the "remedy" area. Schematic and wiring diagrams, and equipment photographs are supplied on auxiliary sheets. The trainer-tester provides realistic experience in troubleshooting logic in a paper and pencil format.

Note: *"Trainer-tester" is a registered trademark.

Test Title: TROUBLESHOOTING TRAINER-TESTER* DEVICE FOR THE THREE-STAGE TRANSMITTER (ELECTRONICS)

Author(s):

Publisher: Van Valkenburgh, Nooger and Neville, Inc.
15 Maiden Lane
New York, New York 10038

Copyright Date: 1954, 1961

Cost of Test Books: Approximately 35¢ per problem sheet

Forms Available: 12 troubleshooting problems

Specimen Set: 6-problem package, $2.95

Standardization Data: Validity: students trained with trainer-tester simulators and actual hardware were significantly superior to those trained with hardware only.

Time to Administer: Variable. Time to complete may be a scoring element.

Answer Sheet and Scoring: Answer on problem sheet. Hand-score by judging adequacy of problem-solving sequence.

Test Description: Problem sheet describes a trouble in the unit. The examinee obtains test instrument readings at test points of his choice by erasing an ink overprint in a "symptom" area on the sheet. He numbers each erasure in sequence to record his troubleshooting path. When he believes he has isolated the fault, he indicates a part replacement or adjustment by an erasure in the "remedy" area. Schematic and wiring diagrams, and equipment photographs are supplied on auxiliary sheets. The trainer-tester provides realistic experience in troubleshooting logic in a paper and pencil format.

Note: *"Trainer-tester" is a registered trademark.

Special Note: Trainer-tester materials have been developed in other electrical and electronic trade areas, but are available only in special bulk quantity purchases. They are not available as off-the-shelf items. The material includes

Multimeter - 3 operating exercises

Electronic Multimeter - 3 operating exercises

Electron Tube Test Set - 3 operating exercises

Electronic Volt Meter - one operating exercise, 9 troubleshooting problems

Dumont 304-AR Oscilloscope - one operating exercise, 9 troubleshooting problems

Test Oscillator HP605A (Hewlett-Packard) - one operating exercise, 10 troubleshooting problems

Signal Generator HP608C (Hewlett-Packard) - 2 operating exercises, 9 troubleshooting problems

Transistor Circuits - 9 troubleshooting problems

Synchro Circuits - 6 troubleshooting problems

Soldering - 4 procedural problems

Mechanical - 4 problems including simple pneumatic and simple hydraulic systems

DC Circuits - 4 problems

AC Circuits - 4 problems

Miscellaneous Electronics Practices - 7 problem sheets

Radio Transmitter T-195/GRC-19 - 20 troubleshooting problems

Radio Teletypewriter Set - 20 troubleshooting problems

FM Radio Receiver - 10 faultfinding problems

General Purpose Digital Training Computer - 10 troubleshooting problems

IBM 1401 Data Processing Tape System - one troubleshooting problem

IBM Type 026 Card Punch - one troubleshooting problem

HEALTH OCCUPATIONS

Test Title: ACHIEVEMENT TEST IN ANATOMY AND PHYSIOLOGY

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1964

Cost of Test Books: Rental 75¢

Forms Available: One

Specimen Set: Descriptive brochure available

Standardication Data: Reliability: r=.93 (KR 21, N=2014

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 142 four-choice multiple-choice items emphasizing Physiology, approximately 1/5 of the items concern pure anatomy.

Test Title: ACHIEVEMENT TEST IN BASIC NURSING PROCEDURES AND ELEMENTARY NUTRITION

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1958

Cost of Test Books: Rental $1.00

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms (N=3954 employed psychiatric aides).
Reliability: r=.89 (KR 21).

Time to Administer: Untimed, 90 - 120 minutes adequate

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Three scores reported: Basic Nursing Procedures, Elementary Nutrition, and Total.

Test Description: 107 four-choice multiple-choice items.

Basic Nursing Procedures has 75 items, mostly "what to do" and "how to do" about patient care. The Elementary Nutrition section, 32 items, deals for the most part with the kind of information included in elementary and high school health classes.

Test Title: ACHIEVEMENT TEST IN BASIC PHARMACOLOGY

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1967

Cost of Test Books: Rental $1.00

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability: r=.81 (Split half corrected by Spearman-Brown formula, N=538)

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 115 four-choice multiple-choice items, covering general principles of pharmacology, administration of drugs, calculation of dosage, pharcologic action, and toxic effects and their controls.

Test Title: ACHIEVEMENT TEST IN CHEMISTRY

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1963

Cost of Test Books: Rental $1

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability: r=.93 for total score (KR 21, N=15,489).

Time to Administer: Approximately 2 hours

Answer Sheet and Scoring: Separate answer sheet scored by National League for Nursing.

Test Description: 135 four-choice multiple-choice items. There are three subtests, 45 items each, in Organic, Inorganic, and Biochemistry.

Test Title:	ACHIEVEMENT TEST IN ELEMENTARY PSYCHIATRIC NURSING
Author(s):	
Publisher:	National League for Nursing Evaluation Service 10 Columbus Circle New York, New York 10019
Copyright Date:	1958
Cost of Test Books:	Rental 75¢
Forms Available:	One
Specimen Set:	Descriptive brochure available
Standardization Data:	Percentile norms (N=4200 aides). Reliability: r=.92 (KR 21, N=4200).
Time to Administer:	Untimed. 90-120 minutes adequate.
Answer Sheet and Scoring:	Separate answer sheet. Scored by National League for Nursing.
Test Description:	105 four-choice multiple-choice items, mostly based on case descriptions. They relate to attitudes, approaches, interpersonal responses, and emotional needs in given situations. Few terminology items.

Test Title: ACHIEVEMENT TEST IN MICROBIOLOGY

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1961

Cost of Test Books: Rental 75¢

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability: r=.85 (KR 21, N=20,325).

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 124 four-choice multiple-choice items including the following topics:

Occurrence of Organisms, Growth Factors, and Activities
Distruction, Physical and Chemical Means
Morphology, and Classification
Infection, Resistance, and Immunity
Antibiotics
Characteristics of Pathogens in Relation to Diseases
Diagnostic Tests
Portals, Transfer of Infection, and Sanitation

Test Title: ACHIEVEMENT TEST IN NORMAL NUTRITION

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1962

Cost of Test Books: Rental 75¢

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability: r=.83 (KR 21, N=18,727).

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 124 four-choice multiple-choice items.

Items cover the following topics:

Nutritional value of food and food groups
Effect of nutrients on the body
Needs of tissues and other physiological aspects
Chemistry of food
Effect of Processing, storing, and cooking
Recommended food allowances
Food habits and family guidance
Organization agencies
Legislation
Cultural aspects

Test Title: ACHIEVEMENT TEST IN NURSING OF CHILDREN

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1968 Cost of Test Books: Rental $1.25

Forms Available: One Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability: r=.79 (split half, Spearman-Brown correction, N=773).

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 119 four-choice multiple-choice items.

Two subscores are provided: Growth and Development, 33 items; and Care of the Sick Child, 86 items.

Questions pertaining to psychological aspects, nutrition, pharmacology, and the basic sciences are included.

Test Title: ACHIEVEMENT TEST IN OBSTETRIC NURSING

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1968

Cost of Test Books: Rental $1.25

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability: r=.73 (split half corrected by Spearman-Brown formula, N=828).

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 111 four-choice multiple-choice items. Three subscores are reported: Antepartal Care, 41 items; Partal and Postpartal Care, 45 items; and Care of the Newborn, 25 items.

While the emphasis is on the normal, questions dealing with common abnormalities of the mother and the newborn are included.

Test Title: ACHIEVEMENT TEST IN PSYCHIATRIC NURSING

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1965

Cost of Test Books: Rental $1.25

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability: r=.83 (split half corrected by Spearman-Brown formula, N=1746)

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 125 four-choice multiple-choice items. Two subscores are provided:

Psychiatric Nursing Practice includes the what-to-do, the how-to-do, and the what-to-say items, 58 items;

Facts and Principles of Psychiatric Nursing, 67 items, concerned with the why of psychiatric nursing practice, manifestations of mental illness and emotional disturbances, mental health concepts and trends.

Test Title: ACHIEVEMENT TEST IN PUBLIC HEALTH NURSING

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1961

Cost of Test Books: Rental $1.00

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability: r=.79 (KR 21, N=3769).

Time to Administer: 2 hours

Answer Sheet and Scoring: Answer

Separate answer sheet. Scored by National League for Nursing.

Test Description: 133 four-choice multiple-choice items. There are two subscores:

Nursing Practice and Services, Psychological Facts and Concepts, 74 items;

Science and General Information Pertaining to Public Health and Public Health Nursing, 59 items.

NOTE: This test for use only in programs leading to a bachelor's degree.

Test Title: ACHIEVEMENT TESTS IN NURSING: ANATOMY AND PHYSIOLOGY

Author(s):

Publisher: The Psychological Corporation
304 E. 45th Street
New York, New York 10017

Copyright Date: 1968

Cost of Test Books: Free, if school uses entrance examination; otherwise, $1 rental.

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms.

Time to Administer: Untimed; usually one class period.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring and reporting service.

Test Description: 72 four-choice multiple-choice items covering identification, purposes, functions, and terminology in Anatomy and Physiology.

Test Title: ACHIEVEMENT TESTS IN NURSING: CANCER NURSING

Author(s):

Publisher: The Psychological Corporation
304 E. 45th Street
New York, New York 10017

Copyright Date: 1967

Cost of Test Books: Free, if school uses entrance examination; otherwise, $1 rental.

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms.

Time to Administer: Untimed, one class period.

Answer Sheet and Scoring: Separate answer sheet. Central Machine-scoring and reporting service.

Test Description: 75 four-choice multiple-choice items covering principles, practices, and terminology related to Cancer Nursing.

Test Title: ACHIEVEMENT TESTS IN NURSING: COMMUNICABLE DISEASES

Author(s):

Publisher: The Psychological Corporation
304 E. 45th Street
New York, New York 10017

Copyright Date: 1961

Cost of Test Books: Free, if school uses entrance examination; otherwise, $1 rental.

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms.

Time to Administer: Untimed, one class period.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring and reporting service.

Test Description: 85 five-choice multiple-choice items covering

Terminology
Planning of Patient Care
Nursing Principles and Practices
Disease Symptoms

Test Title: ACHIEVEMENT TESTS IN NURSING: GENERAL CHEMISTRY

Author(s):

Publisher: The Psychological Corporation
304 E. 45th Street
New York, New York 10017

Copyright Date: 1964

Cost of Test Books: Free, if school uses entrance examination; otherwise, $1 rental.

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms.

Time to Administer: Untimed, one class period.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring and reporting service.

Test Description: 70 five-choice multiple-choice items covering

Definitions in Terminology
Chemical Reactions
Calculations
Pharmacology

Test Title: ACHIEVEMENT TESTS IN NURSING: MEDICAL NURSING

Author(s):

Publisher: The Psychological Corporation
304 E. 45th Street
New York, New York 10017

Copyright Date: 1968

Cost of Test Books: Free, if school uses entrance examination; otherwise, $1 rental.

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms.

Time to Administer: Untimed, one class period.

Answer Sheet and Scoring: Separate answer sheet. Central machine scoring and reporting service.

Test Description: 68 four-choice multiple-choice items covering terminology, treatment, principles, and practices of Medical Nursing.

Test Title: ACHIEVEMENT TESTS IN NURSING: MICROBIOLOGY

Author(s):

Publisher: The Psychological Corporation
304 E. 45th Street
New York, New York 10017

Copyright Date: 1968

Cost of Test Books: Free, if school uses entrance examination; otherwise, $1 rental.

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms.

Time to Administer: Untimed, one class period.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring and reporting service.

Test Description: 50 four-choice multiple-choice items covering

Terminology
Prophylactic Procedures
Characteristics and Effects of Organisms

Test Title: ACHIEVEMENT TESTS IN NURSING: NUTRITION AND DIET THERAPY

Author(s):

Publisher: The Psychological Corporation
304 E. 45th Street
New York, New York 10017

Copyright Date: 1968

Cost of Test Books: Free, if school uses entrance examination; otherwise, $1 rental.

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms.

Time to Administer: Untimed, one class period.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring and reporting service.

Test Description: 51 four-choice multiple-choice items covering

Terminology
Nutritional Elements
Special Diets
Caloric Values

Test Title: ACHIEVEMENT TESTS IN NURSING: OBSTETRICAL NURSING

Author(s):

Publisher: The Psychological Corporation
304 E. 45th Street
New York, New York 10017

Copyright Date: 1968

Cost of Test Books: Free, if school uses entrance examination; otherwise, $1 rental.

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms.

Time to Administer: Untimed, one class period.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring and reporting service.

Test Description: 72 four-choice multiple-choice items covering

Physiology
Infant Diet
Symtoms and Causes
Infant Care and Treatment

Test Title: ACHIEVEMENT TESTS IN NURSING: ORGANIC AND INORGANIC CHEMISTRY

Author(s):

Publisher: The Psychological Corporation
304 E. 45th Street
New York, New York 10017

Copyright Date: 1964

Cost of Test Books: Free, if school uses entrance examination; otherwise, $1 rental.

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms.

Time to Administer: Untimed, one class period.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring and reporting service.

Test Description: 73 five-choice multiple-choice items covering terminology, functions, reactions, pharmacology, and physiological applications of Organic and Inorganic Chemistry.

Test Title: ACHIEVEMENT TESTS IN NURSING: PEDIATRIC NURSING

Author(s):

Publisher: The Psychological Corporation
304 E. 45th Street
New York, New York 10017

Copyright Date: 1968

Cost of Test Books: Free, if school uses entrance examination; otherwise, $1 rental.

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms.

Time to Administer: Untimed, one class period.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring and reporting service.

Test Description: 65 four-choice multiple-choice items covering

Terminology
Symptoms
Diseases
Treatment
Diet
Child Development

Test Title: ACHIEVEMENT TESTS IN NURSING: PHARMACOLOGY

Author(s):

Publisher: The Psychological Corporation
304 E. 45th Street
New York, New York 10017

Copyright Date: 1968

Cost of Test Books: Free, if school uses entrance examination; otherwise, $1 rental.

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms.

Time to Administer: Untimed, one class period.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring and reporting service.

Test Description: 67 four-choice multiple-choice items covering

Terminology
Drug Effects
Means of Administration
Pharceutical Calculations

Test Title: ACHIEVEMENT TESTS IN NURSING: PSYCHOLOGY AND SOCIOLOGY

Author(s):

Publisher: The Psychological Corporation
304 E. 45th Street
New York, New York 10017

Copyright Date: 1968

Cost of Test Books: Free, if school uses entrance examination; otherwise, $1 rental.

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms.

Time to Administer: Untimed, one class period.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring and reporting service.

Test Description: 55 four-choice multiple-choice items covering

Terminology
Interpersonal Relations
Social Organization
Cultural Differences
Defense Mechanisms
Social Psychology of the Nursing Profession

Test Title: ACHIEVEMENT TESTS IN NURSING: SURGICAL NURSING

Author(s):

Publisher: The Psychological Corporation
304 E. 45th Street
New York, New York 10017

Copyright Date: 1968

Cost of Test Books: Free, if school uses entrance examination; otherwise, $1 rental.

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms.

Time to Administer: Untimed, one class period.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring and reporting service.

Test Description: 61 four-choice multiple-choice items covering terminology, principles, and practices of Surgical Nursing.

Test Title: ACHIEVEMENT TESTS IN PRACTICAL NURSING

Author(s):

Publisher: The Psychological Corporation
304 E. 45th Street
New York, New York 10017

Copyright Date: 1967

Cost of Test Books: Free, if school uses entrance examination; otherwise, $1 rental.

Forms Available: One

Specimen Set:

Standardi
Standardization Data: Percentile norms.

Time to Administer: Untimed, one class period.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring and reporting service.

Test Description:

Part One: 71 four-choice multiple-choice items including Terminology, Diet, Anatomy, and Dosages and Medications. (This is a separate test booklet.)

Part Two: 77 four-choice multiple-choice items including Terminology, Pediatrics, Convalescence, and Rehabilitation. (This is a separate test booklet.)

Test Title: BASIC COURSE-END ACHIEVEMENT TEST IN MEDICAL-SURGICAL NURSING

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1962

Cost of Test Books: Rental $1

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability: r=.71 (KR 21, N=24,669).

Time to Administer: Two hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 126 four-choice multiple-choice items. The items test basic facts and principles and their application in the care of patients with the more common medical and surgical conditions.

Three scores are reported: Medical Nursing, 47 items; Surgical Nursing, 39 items; Combined Medical-Surgical Nursing, 40 items.

Also included: test items related to basic sciences, interpersonal relations, teaching and communication skills, nutrition and diet-therapy, and pharmacology.

Test Title: COMPREHENSIVE ACHIEVEMENT TEST IN APPLIED NATURAL SCIENCES

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1967

Cost of Test Books: Rental $1.25

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability: r=.73 for each of two separately scored parts of the test (KR 21, N=420)

Time to Administer: 2 1/2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description:

Part A: 83 four-choice multiple-choice items covering physiology, pathophysiology, chemistry, physics, and microbiology.

Part B: 47 six-option items involving the knowledge of more than one of the sciences and measuring cause and effect relationships.

NOTE: This test for use only in programs leading to a bachelor's degree.

Test Title: COMPREHENSIVE ACHIEVEMENT TEST IN COMMUNICABLE DISEASE NURSING

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1963

Cost of Test Books: Rental $1.00

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability: r=.81 (KR 21, N=10,092).

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 145 four-choice multiple-choice items yielding two subscores: first includes items pertaining to prevention, susceptibility, transmission, and epidemiology; second includes items pertaining to manifestations of diseases, complications, diagnostic tests, treatment, and nursing care.

Test Title: COMPREHENSIVE ACHIEVEMENT TEST IN DIET THERAPY AND APPLIED NUTRITION

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York

Copyright Date: 1962

Cost of Test Books: Rental 75¢

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability: r=.79 (KR 21, N=18,765).

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 136 four-choice multiple-choice items covering the nutritional aspects of medical-surgical nursing, with questions devoted to nutrition in maternal-child nursing and family guidance and other aspects of nutrition, including both diet therapy and normal nutrition.

Test Title:	COMPREHENSIVE ACHIEVEMENT TEST IN DISASTER NURSING
Author(s):	
Publisher:	National League for Nursing Evaluation Service 10 Columbus Circle New York, New York 10019
Copyright Date:	1961
Cost of Test Books:	Rental $1.00
Forms Available:	One
Specimen Set:	Descriptive brochure available
Standardization Data:	Percentile norms. Reliability: r=.74 (KR 21, N=10,531).
Time to Administer:	2 hours
Answer Sheet and Scoring:	Separate answer sheet. Scored by National League for Nursing.
Test Description:	148 four-choice multiple-choice items yielding two subscores: General Nursing Knowledge Applicable to Disaster Situations, 90 items; Facts and Principles Peculiar to Disasters and Disaster Nursing, 58 items. Topics covered include general items applicable to nursing in any type of disaster, items relating to natural disaster situations, general items relating primarily to enemy-caused thermonuclear disaster situations.

Test Title: COMPREHENSIVE ACHIEVEMENT TEST IN MATERNAL-CHILD NURSING

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1964

Cost of Test Books: Rental $1

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability: r=.86 (KR 21, N=946).

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 150 four-choice multiple-choice items yielding three subscores:

Growth and Development, including the normal changes of pregnancy, 52 items;

Condition and Care of the Sick Child, 61 items;

All other items such as obstetric aspects other than the physiological changes of pregnancy, scientific and medical aspects not peculiar to pediatrics, and interpersonal aspects not unique to maternal-child nursing, 37 items.

NOTE: This test for use only in programs leading to a bachelor's degree.

Test Title: COMPREHENSIVE ACHIEVEMENT TEST IN MATERNITY AND CHILD NURSING

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1967

Cost of Test Books: Rental $1.25

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability: r=.71 (split half corrected by Spearman-Brown formula, N=944 students in accredited diploma programs).
Reliability: r=.83 (split half corrected by Spearman-Brown formula, N=474 students in associate degree programs).

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 135 four-choice multiple-choice items yielding two subscores:

Care of the Normal Pregnant Woman, Including the Normal Newborn; Growth and Development from Infancy through Adolescence, 47 items;

Care of Sick Children from Birth through Adolescence, 70 items.

The 18 items not included in either subscore relate chiefly to abnormalities and other aspects of pregnancy and are included in the total score.

Test Title: COMPREHENSIVE ACHIEVEMENT TEST IN MEDICAL-SURGICAL NURSING

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1967

Cost of Test Books: Rental $1.25

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Part A: Reliability: r=.70 (KR 21, N=812).
Part B: Reliability: r=.65 (KR 21, N=812).

Time to Administer: 2 1/2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 130 items regarding knowledge of basic nursing decisions in the care of medical-surgical patients and nursing judgments and actions based on assessment of patient needs and understanding of therapeutic measures.

There are 90 four-choice multiple-choice items in Part A and 40 six-choice multiple-choice items in Part B which call for comprehension of cause and effect relations.

NOTE: This test for use only in programs leading to bachelor's degree.

Test Title: COMPREHENSIVE ACHIEVEMENT TEST IN MEDICAL-SURGICAL NURSING, PART I (THREE-IN-ONE)

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1962

Cost of Test Books: $1.00

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability: r=.69 (KR 21, N=24,552).

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 135 four-choice multiple-choice items. There are three subtests, each 45 items, covering the areas: Orthopedic Nursing; Neurological-Neurosurgical Nursing; and Eye, Ear, Nose, and Throat Nursing.

Test Title: COMPREHENSIVE ACHIEVEMENT TEST IN MEDICAL-SURGICAL NURSING, PART II (TWO-IN-ONE)

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1962 Cost of Test Books: $1.00

Forms Available: One Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliablility: r=.70 (KR 21, N=27,095).

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 145 four-choice multiple-choice items yielding two subscores: Medical Nursing Practice, 73 items: Surgical Nursing Practice. 72 items.

Excluded from this test are items on orthopedic, neurological, neurosurgical, and eye, ear, nose, and throat nursing.

Test Title: COMPREHENSIVE ACHIEVEMENT TEST IN NATURAL SCIENCES IN NURSING

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1968

Cost of Test Books: Rental $1.25

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability: r=.88 (split half corrected by Spearman-Brown formula, N=690).

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 148 four-choice multiple-choice items yielding two subscores: Application of Facts and Principles of the Natural Sciences in the Care of Patients, 91 items; Facts and Principles of the Natural Sciences, 57 items.

The sciences included are anatomy and physiology, chemistry, microbiology, and physics.

Test Title: COMPREHENSIVE ACHIEVEMENT TEST IN PHARMACOLOGY IN CLINICAL NURSING (FACTS AND PRINCIPLES AND THEIR APPLICATION)

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1967

Cost of Test Books: Rental $1.00

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Reliability; r=.85 (split half corrected by Spearman-Brown formula, N=966).

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing.

Test Description: 135 four-choice multiple-choice items covering pharmacologic items, untoward effects and their control, drug administration, and calculation of dosage.

Test Title: PRACTICAL NURSING ACHIEVEMENT TEST: NURSING INCLUDING ASPECTS OF PHARMACOLOGY

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1964

Cost of Test Books: Rental, $1

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Reliability: total score: r=.89 (KR 21, N=1000).

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet. Scored by National League for Nursing. Three subscores and total score are reported.

Test Description: 150 four-choice multiple-choice items covering three major areas: Medical-Surgical Nursing, 74 questions; Maternal-Child Nursing, 40 questions; Pharmacology and the Administration of Medication, 32 items. Four additional vocational adjustment items are included in the total score.

Test Title: PRACTICAL NURSING ACHIEVEMENT TEST: THREE UNITS OF CONTENT

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1964

Cost of Test Books: Rental $1

Forms Available: One

Specimen Set: Descriptive brochure available

Standardization Data: Percentile norms.
Total score reliability: r=.93 (KR 21, N=1007 students).

Time to Administer: 2 hours

Answer Sheet and Scoring: Separate answer sheet scored by National League for Nursing. Four scores reported: Body Structure and Functions, Basic Nursing Procedures, Nutrition and Diet Therapy, and Total Score.

Test Description: 148 four-choice multiple-choice items. 46 items cover Body Structure and Function, 56 items are concerned with Basic Nursing Procedures, and 46 items deal with Nutrition and Diet Therapy.

Test Title: TEST RESERVOIR FOR AIDE INSTRUCTORS IN NURSING (TRAIN)

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1965 Cost of Test Books:

Forms Available: One Specimen Set: $5.00

Standardization Data:

Time to Administer:

Answer Sheet and Scoring:

Test Description: File of 200 test items for local assembly into tests. Items are appropriate for aides working on adult medical-surgical units in general hospitals. Topics are:

Job Adjustments
Hygiene and Comfort
Observing and Recording
Bedmaking
Positions and Moving
Treatments
Feeding
Emergencies
Patient Care

Test Title: TESTING THE AIDE'S SKILLS WITH CHILDREN (TASC)

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1966 Cost of Test Books:

Forms Available: One Specimen Set: $5.00

Standardization Data:

Time to Administer:

Answer Sheet and Scoring:

Test Description: TASC is a file of 200 multiple-choice items to be assembled into tests to fit an institution's needs. Topics covered are:

Job Adjustments
Hygiene and Comfort
Observing and Recording
Bedmaking and Care of the Environment
Positions and Moving
Treatments and Equipment and Its Care
Feeding and Foods
Emergencies
Special Needs and Problems Related to Hospitalization
Growth and Development
Exceptional Children

Test Title: TOOL FOR EVALUATING ABILITIES AND COMPETENCIES OF HOME HEALTH AIDES (TEACH)

Author(s):

Publisher: National League for Nursing Evaluation Service
10 Columbus Circle
New York, New York 10019

Copyright Date: 1969

Cost of Test Books:

Forms Available:

Specimen Set: $6.00

Standardization Data:

Time to Administer:

Answer Sheet and Scoring:

Test Description: File of 200 test items for local assembly into tests. Topics are:

Job Adjustment
Hygiene and Comfort
Observing and Recording
Beds, Bedmaking, and Care of the Environment
Positions and Moving
Treatments and Equipment and its Care
Feeding and Foods
Emergencies
Patient Needs and Care
Child Care

MACHINE TRADES

Test Title: ACHIEVEMENT TEST FOR MACHINISTS

Author(s):

Publisher: For information, consult:
Dr. Thomas S. Baldwin
School of Education
University of North Carolina
Chapel Hill, North Carolina 27514

Copyright Date: 1968 Cost of Test Books:

Forms Available: One Specimen Set:

Standardization Data: Percentile and standard score norms (N=332).
Reliability: r=.95 (KR 14).

Time to Administer: 4 hours

Answer Sheet and Scoring: Separate answer sheet. Hand- or machine-score.

Test Description: 285 four-choice multiple-choice items covering

Hand Tools and Application
Measuring Tools and Processes
Cutting Tools
Milling Machines
Lathes
Grinding Machines
Minor Machines
Metallurgy

This test is designed for junior college/technical institute level.

NOTE: This test was developed under a USOE grant. As of April 1971, arrangements for publication and distribution had not been completed.

Test Title: WELDING TRADE COMPETENCY EXAMINATION

Author(s):

Publisher: Department of Industrial Education
Eastern Michigan University
Ypsilanti, Michigan 48197

Copyright Date: 1969 Cost of Test Books: $5, less in large quantities

Forms Available: Item pool for assembly of forms on demand.

Specimen Set: $5

Standardization Data: Percentile norms, item analysis by administration and cumulative.

Time to Administer: Untimed.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring service.

Test Description: 240 four-choice multiple-choice items covering

Terms and Safety
Gas Welding Equipment
Oxy-acetylene Welding
Arc Welding
Arcs and Electrodes
Resistance and Other Welding Processes
Materials

Items are computer printout; there are no illustrated items.

Test Title: CAN YOU READ A MICROMETER?

Author(s): C. H. Lawshe, Jr.

Publisher: University Book Store
360 State Street
West Lafayette, Indiana 47906

Copyright Date: 1943 Cost of Test Books: 25/$2.50

Forms Available: One Specimen Set: 50¢

Standardization Data: None

Time to Administer: 6 minutes

Answer Sheet and Scoring: Answers marked on test sheet. Hand-score.

Test Description: Illustrations of ten micrometers at various settings are given. The task is to read the setting of the micrometer and record it accurately.

MMY-4:775

Test Title: CAN YOU READ A SCALE?

Author(s): C. H. Lawshe, Jr.

Publisher: University Book Store
360 State Street
West Lafayette, Indiana 47906

Copyright Date: 1943 Cost of Test Books: 25/$2.50

Forms Available: One Specimen Set: 50¢

Standardization Data: None

Time to Administer: 4 minutes

Answer Sheet and Scoring: Answers marked on test sheet. Hand-scored.

Test Des Description: Twelve various machine parts--nut, bolt, washer, etc.--are shown alongside machinists scales or rules. The task is to read and record the indicated dimension to a specified tolerance.

MMY-4:775

Test Title: CAN YOU READ A WORKING DRAWING?

Author(s): C. H. Lawshe, Jr.

Publisher: University Book Store
360 State Street
West Lafayette, Indiana 47906

Copyright Date: 1943 Cost of Test Books: 25/$2.50

Forms Available: One Specimen Set: 50¢

Standardization Data: None

Time to Administer: 10 minutes

Answer Sheet and Scoring: Answers marked on test sheet. Hand-score.

Test Description: Given: a working drawing, three dimensions of a bracket support, with some dimensions. The task is to supply 23 dimensions which are not given on one view, but which must be read from another of the three views.

MMY-4:775

Test Title: EXAMINATION IN MACHINE SHOP PRACTICE

Author(s):

Publisher: The University of the State of New York
The State Department of Education
Albany, New York 12224

Copyright Date: 1969, annual revision.

Cost of Test Books: User arranges for reproduction

Forms Available: One

Specimen Set:

Standardization Data: None. Examination is provided to vocational school as a sample examination. It may be modified by the local school in any way that the individual teacher wishes.

Time to Administer: 3 hours.

Answer Sheet and Scoring: Separate answer and work sheets. Hand-score.

Test Description: 70 four-choice multiple-choice items, 20 matching items in four sets, and 8 multi-part problems in Machine Shop Practice and Procedures.

Test Title: EXAMINATION IN MECHANICAL DESIGN AND CONSTRUCTION

Author(s):

Publisher: The University of the State of New York
The State Department of Education
Albany, New York 12224

Copyright Date: 1969, annual revision.

Cost of Test Books: User arranges for reproduction

Forms Available: One

Specimen Set:

Standardization Data: None. Examination is provided to vocational school as a sample examination. It may be modified by the local school in any way that the individual teacher wishes.

Time to Administer: 3 hours.

Answer Sheet and Scoring: Separate answer sheet. Hand-score.

Test Description: Part One includes 15 four-choice multiple-choice items involving calculation and mechanical principles, and 11 problems of which the student is required to answer 6.

Part Two has a machine shop option and a metallurgy option. The machine shop option includes 10 four-choice multiple-choice items and 6 problems of which the student is required to answer 5. The metallurgy option has 25 four-choice multiple-choice items and 2 problems of which the student is required to answer one.

Test Title: THE FIESENHEISER TEST OF ABILITY TO READ DRAWINGS

Author(s): Elmer I. Fiesenheiser

Publisher: Psychometric Affiliates
1743 Monterey
Chicago, Illinois 60643

Copyright Date: 1955

Cost of Test Books: 50/$5

Forms Available: One

Specimen Set: $1

Standardization Data: Percentile norms (N=136).
Validity: Correlation of test score with number of semester of drawing equals .84.
Reliability: r=.88 (N=139, corrected split half).

Time to Administer: 30 minutes

Answer Sheet and Scoring: Answer in test booklet. Hand-score.

Test Description: 71 items, including three-choice, multiple-choice, matching, short-answer, and drawing from given figures. Scoring of drawings is quite objective. Scoring of short-answer definitions can be done only by a highly-qualified individual. Test book format is very crowded.

MMY-6:1186

Title: GENERAL METALS

Publisher: The Instructional Objectives Exchange
P.O. Box 24095
Los Angeles, California 90024

Publication Date: 1970

Cost: $8.00

Description: This is NOT a standardized test. It is a list of instructional objectives with examples of measurement items suitable for measuring achievement of each objective.

This Collection contains 90 objectives and related evaluation items for general metals, grades seven through twelve. It is organized into the following categories: property of metals operations and functions, cutting and shearing, filing, cutting holes, grinding, forming metal, bending metal, metal spinning, threaded fasteners, soldering, riveting, sheet-metal seams, polishing and buffing, and decorating metal.

Test Title: MACHINE TRADE COMPETENCY EXAMINATION

Author(s):

Publisher: Department of Industrial Education
Eastern Michigan University
Ypsilanti, Michigan 48197

Copyright Date: 1969 Cost of Test Books: $5, less in large quantities

Forms Available: Item pool for assembly of forms on demand.

Specimen Set: $5

Standardization Data: Percentile norms, item analysis by administration and cumulative.

Time to Administer: Untimed.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring service.

Test Description: 300 four-choice multiple-choice items covering

Theory and Materials
Heat Treatment
Bench Operations
Grinding
Drilling
Turning
Milling
Shaping and Planing

Items are computer printout; there are no illustrated items.

Test Title: MACHINE TRADES, OHIO TRADE AND INDUSTRIAL EDUCATION TESTS

Author(s):

Publisher: Industrial Materials Laboratory
The Ohio State University
1885 Neil Avenue
Columbus, Ohio 43201

Copyright Date: 1960

Cost of Test Books: Inquire of publisher

Forms Available: One

Specimen Set:

Standardization Data: Percentile norms for total and part scores. Validity studies have been conducted. Reliability: r=.94 (N=823 high school seniors, KR 20).

Time to Administer: 6 hours, two sessions.

Answer Sheet and Scoring: Separate answer sheet. Centralized machine-scoring service.

Test Description: 172 multiple-choice items covering:

Mathematics
Layout
Hand Tools
Measuring
Power Sawing
Drilling
Shaping
Heat Treating
Science
Lathe Machining
Milling
Blueprint Reading
Bench Grinding
Surface Grinding
Tool and Cutter Grinding
Cylindrical Grinding
Internal Grinding

NOTE: Restricted test, not available to individual teachers. School officials may arrange for use.

Test Title: METALS, COOPERATIVE INDUSTRIAL ARTS TESTS

Author(s):

Publisher: Educational Testing Service
Princeton, New Jersey 08540

Copyright Date: 1969

Cost of Test Books: 20/$7

Forms Available: Two

Specimen Set: $3 for series

Standardization Data: Percentile norms
Validity: Content
Reliability: r=.78 (KR 20)

Time to Administer: 35 minutes.

Answer Sheet and Scoring: Separate answer sheet. Hand- or machine-score.

Test Description: 50 four-choice multiple-choice items covering

Properties of Metals
Tools and Operations
Safety

More than 1/3 of the items are illustrated.

Test is designed for pupils in grades 7, 8, 9 who have completed a one-semester course in Metals.

Test Title:	PURDUE BLUEPRINT READING TEST
Author(s):	H. F. Owen and J. N. Arnold
Publisher:	University Book Store 360 State Street Lafayette, Indiana 47906
Copyright Date:	1942
Cost of Test Books:	25/$5.00
Forms Available:	One
Specimen Set:	50¢
Standardization Data:	Tentative percentile norms (N=104)
Time to Administer:	30 minutes
Answer Sheet and Scoring:	Answer in test book. Hand score.
Test Description:	79 multiple-choice items, mostly four-choice. Covers terminology; selection of correct drawing, given another view; recognition of cross-section view; reading dimensions; etc. Many illustrated items.

Test Title: PURDUE TRADE INFORMATION TEST IN ENGINE LATHE OPERATIONS

Author(s): Robert Cochran and Joseph Tiffin

Publisher: University Book Store
360 State Street
West Lafayette, Indiana 47906

Copyright Date: 1955 Cost of Test Books: 25/$5

Forms Available: One Specimen Set: 50¢

Standardization Data: Percentile norms for journeyman machinists (N=115) and machine shop students (N=213). Stepped-up split-half reliability: r=.93. Tradesmen scored significantly higher than students.

Time to Administer: Untimed. 45 minutes adequate.

Answer Sheet and Scoring: Answer in test book. Hand-score.

Test Description: 74 multiple-choice items, mostly four-choice, with definitions and selection of correct practice predominating. Ten items involve reading dimensions from an engineering drawing.

MMY-5:944

Test Title:	PURDUE TRADE INFORMATION TEST IN WELDING (REVISED EDITION)
Author(s):	Joseph Tiffin and Warren B. Griffin
Publisher:	University Book Store 360 State Street West Lafayette, Indiana 47906
Copyright Date:	1952 Cost of Test Books: 25/$5
Forms Available:	One Specimen Set: 50¢
Standardization Data:	Percentile norms (N=143 students). Stepped-up split-half reliability: r=.91 (N=59). Mean scores of 11 journeyman welders higher than vocational students; significant at .01 level.
Time to Administer:	Untimed. 60-75 minutes adequate.
Answer Sheet and Scoring:	Answer in test book. Hand-score.
Test Description:	70 four-choice multiple-choice items, including coverage of general, gas, and electric arc welding. Items are primarily definitions of trade terms, with a few pictorial items.

Test Title: SHORT OCCUPATIONAL KNOWLEDGE TEST FOR MACHINISTS

Author(s): Bruce A. Campbell and Suellen O. Johnson

Publisher: Science Research Associates
259 East Erie Street
Chicago, Illinois 60611

Copyright Date: 1969

Cost of Test Books: 20/$4

Forms Available: One

Specimen Set: $2 (estimate)

Standardization Data: Scores categorized as Fail, Unclassifiable, or Pass.
Validity: 87.0% of subjects properly categorized as skilled or unskilled, with Unclassifiable dropped out.
Reliability: r=.74 (N=53, KR 20).

Time to Administer: Untimed; 15 minutes should be adequate.

Answer Sheet and Scoring: Answers marked on test sheet. Scored by counting marks in boxes on back of carbon interleaved sheet.

Test Description: 22 five-choice multiple-choice items covering tools, shop practices, and materials.

Test Title: SHORT OCCUPATIONAL KNOWLEDGE TEST FOR TOOL AND DIE MAKERS

Author(s): Bruce A. Campbell and Suellen O. Johnson

Publisher: Science Research Associates
259 East Erie Street
Chicago, Illinois 60611

Copyright Date: 1970

Cost of Test Books: 20/$4

Forms Available: Two

Specimen Set: $2 (estimate)

Standardization Data: Scores classified as Fail, Unclassifiable, or Pass.
Validity: 88% of subjects correctly categorized as qualified or unqualified, with "Unclassifiable" dropped out. (N=172)
Reliability: r=.92 (pretest sample N=172, KR 20).
Alternate form correlations, r=.89 (N=172).

Time to Administer: Untimed; 15 minutes should be adequate.

Answer Sheet and Scoring: Answers marked on test sheet. Scored by counting marks in boxes on back of carbon interleaved sheet.

Test Description: 20 five-choice multiple-choice items on Tool and Die Terminology, Working Practices, Measuring Instruments, and Materials.

Test Title: SHORT OCCUPATIONAL KNOWLEDGE TEST FOR WELDERS

Author(s): Bruce A. Campbell and Suellen O. Johnson

Publisher: Science Research Associates
259 East Erie Street
Chicago, Illinois 60611

Copyright Date: 1969 Cost of Test Books: 20/$4

Forms Available: One Specimen Set: $2 (estimate)

Standardization Data: Scores categorized as Fail, Unclassifiable, or Pass.
Validity: 86.2% of subjects properly categorized as skilled or unskilled (N=167), with Unclassifiable dropped out.
Reliability: r=.73 (N=169, KR 20).

Time to Administer: Untimed; 15 minutes should be adequate.

Answer Sheet and Scoring: Answers marked on test sheet. Scored by counting marks in boxes on back of carbon interleaved sheet.

Test Description: 20 five-choice multiple-choice items covering welding trade practices, materials, and procedures.

OFFICE OCCUPATIONS

Test Title: ACHIEVEMENT TEST FOR DATA PROCESSING TECHNOLOGY - BUSINESS

Author(s):

Publisher: For information, consult:
Dr. Thomas S. Baldwin
School of Education
University of North Carolina
Chapel Hill, North Carolina 27514

Copyright Date: 1968 Cost of Test Books:

Forms Available: One Specimen Set:

Standardization Data: Percentile and standard score norms (N=73).
Reliability: r=.92 (KR 14).

Time to Administer: 4 hours.

Answer Sheet and Scoring: Separate answer sheet. Hand- or machine-score.

Test Description: 250 four-choice multiple-choice items covering

Data Processing Systems Fundamentals
Programming Language Applications
COBOL
Statistics
Mathematics
Accounting-General
Accounting-Cost

Many illustrations. This test is designed for junior college/technical institute level.

NOTE: This test was developed under a USOE grant. As of April 1971, arrangements for publication and distribution had not been completed.

Test Title: ACHIEVEMENT TEST FOR DATA PROCESSING TECHNOLOGY - SCIENTIFIC

Author(s):

Publisher: For information, consult:
Dr. Thomas S. Baldwin
School of Education
University of North Carolina
Chapel Hill, North Carolina 27514

Copyright Date: 1968 Cost of Test Books:

Forms Available: One Specimen Set:

Standardization Data: Percentile and standard score norms (N=73).
Reliability: r=.95 (KR 14).

Time to Administer: 4 hours.

Answer Sheet and Scoring: Separate answer sheet. Hand- or machine-score.

Test Description: 235 four-choice multiple-choice items covering

Data Processing Systems Fundamentals
Programming Language Applications
FORTRAN
Statistics
Mathematics
Accounting-General

Many illustrations. This test is designed for junior college/technical institute level.

NOTE: This test was developed under a USOE grant. As of April 1971, arrangements for publication and distribution had not been completed.

Title: BOOKKEEPING

Publisher: The Instructional Objectives Exchange
P.O. Box 24095
Los Angeles, California 90024

Publication Date: 1970 Cost: $8.00

Description: This is NOT a standardized test. It is a list of instructional objectives with examples of measurement items suitable for measuring achievement of each objective.

This Collection contains 17 objectives and related evaluation items for Bookkeeping, grades ten through twelve. Both the behavior and the content of each objective have been carefully selected so that the student is required to master the basic procedures and concepts which are fundamental to bookkeeping.

Test Title: BOOKKEEPING ACHIEVEMENT TEST - First Semester

Author(s): The Psychological Corporation

Publisher: Gregg Division, McGraw-Hill Book Company
Hightstown, New Jersey 08520

Copyright Date: 1967 Cost of Test Books: 30/$5.50

Forms Available: Two Specimen Set: $1.00

Standardization Data: Percentile norms (N=2245).
Validity assumed by comparison with widely used textbooks.
Reliability: r=.89 (N=400, split-half method corrected by Spearman-Brown formula).

Time to Administer: 35 minutes

Answer Sheet and Scoring: Answer in test book. Hand-score.

Test Description: 65 four-choice multiple-choice items covering general information, analyzing transactions, journalizing and posting, trial balance and worksheet, closing entries, banking and handling cash, and purchases and sales.

Test Title: BOOKKEEPING ACHIEVEMENT TEST - FIRST YEAR

Author(s): The Psychological Corporation

Publisher: Gregg Division, McGraw-Hill Book Company
Hightstown, New Jersey 08520

Copyright Date: 1967 Cost of Test Books: 30/$5.50

Forms Available: Two Specimen Set: $1.00

Standardization Data: Percentile norms (N=2073).
Validity assumed by comparison with widely used textbooks.
Reliability: r=.92 (N=400, split-half method corrected by Spearman-Brown formula).

Time to Administer: 35 minutes

Answer Sheet and Scoring: Answer in test book. Hand-score.

Test Description: 64 four- and five-choice multiple-choice items covering

General Information
Allocation of Transactions
Proper Journals and Accounts
Adjusting Work Sheet
Debits and Credits to Accounts

Test Title: BOOKKEEPING, MINNESOTA HIGH SCHOOL ACHIEVEMENT EXAMINATIONS

Author(s): V. L. Lohmann, Editor

Publisher: American Guidance Service
Publishers' Building
Circle Pines, Minnesota 55014

Copyright Date: 1970 Cost of Test Books: 12¢

Forms Available: One; frequent revision.

Specimen Set: $1.10

Standardization Data: Percentile norms (N=1893 Minnesota high school students). Content coordinated with Minnesota curriculum.

Time to Administer: 1 hour

Answer Sheet and Scoring: Answer in test book. Hand-score.

Test Description: 117 five-choice multiple-choice items included in 13 areas:

1. General Principles
2. Statements
3. Adjusting and Closing Entries
4. Special Journals and Subsidiary Ledgers
5. Problems Related to Sales and Purchases
6. Payrolls and Taxes
7. Depreciation
8. Bad Debts
9. Notes and Interest
10. Accrued Expenses and Income
11. Partnership, Corporations, Cooperatives
12. Banking Services
13. Problems

MMY-6:35

Test Title: BOOKKEEPING TEST, NATIONAL BUSINESS ENTRANCE TESTS

Author(s):

Publisher: National Business Education Association
1201 16th Street, N.W.
Washington, D. C. 20036

Copyright Date: 1955, Revised 1964

Cost of Test Books: 50¢

Forms Available: One for purchase; two restricted to secure testing program.

Specimen Set: $4 for series

Standardization Data: Percentile norms available.

Time to Administer: 2 hours

Answer Sheet and Scoring: Answer in test book. Hand-score. Elaborate scoring rules provided.

Test Description: This is a work-sample test with 240 scorable points. It includes Profit and Loss Statement, Journals, Checkbook Balancing, and Balance Sheet.

MMY-6:33, 36

Test Title: BUSINESS FUNDAMENTALS AND GENERAL INFORMATION TEST, NATIONAL BUSINESS ENTRANCE TESTS

Author(s):

Publisher: National Business Education Association
1201 16th Street, N.W.
Washington, D. C. 20036

Copyright Date: 1955, Revised 1964

Cost of Test Books: 50¢

Forms Available: One for purchase; two restricted to secure testing program.

Specimen Set: $4 for series

Standardization Data: Percentile norms available

Time to Administer: 45 minutes

Answer Sheet and Scoring: Separate answer sheet; hand-score.

Test Description: 100 three- and four-choice multiple-choice items covering Spelling, Plurals, Grammar, Expression, Judgment, Arithmetic, Knowledge of Everyday Affairs, and Memory.

MMY-6:33, 30

Title: BUSINESS LAW

Publisher: The Instructional Objectives Exchange
P.O. Box 24095
Los Angeles, California 90024

Publication Date: 1970 Cost: $8.00

Description: This is NOT a standardized test. It is a list of instructional objectives with examples of measurement items suitable for measuring achievement of each objective.

This Collection contains 37 objectives and related evaluation items for Business Law, grades 10-12. It is organized into the following categories: Foundations of Law; Law of Contracts, Property, Negotiable Instruments; Business Relations and Business Organizations, and Vocabulary.

Test Title: THE COLLEGE ACCOUNTING TESTING PROGRAM: ACHIEVEMENT TEST, LEVEL I

Author(s):

Publisher: American Institute of Certified Public Accountants Testing Project Office
The Psychological Corporation
304 E. 45th Street
New York, New York 10017

Copyright Date: 1965/71 Cost of Test Books: 75¢ rental

Forms Available: Several Specimen Set:

Standardization Data: Percentile norms for several levels of education and experience.

Time to Administer: 50 minutes or 2 hours.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring and reporting service.

Test Description: 50-minute version has 45 five-choice multiple-choice items; 2-hour version has 60 five-choice multiple-choice items. The tests cover the typical first year of college accounting study, emphasizing understanding of financial and managerial accounting concepts rather than bookkeeping. Similar tests are offered in a Professional Accounting Testing Program, a service offered to accounting firms and to business, industrial, and governmental organizations.

Test Title: THE COLLEGE ACCOUNTING TESTING PROGRAM: ACHIEVEMENT TEST, LEVEL II

Author(s):

Publisher: American Institute of Certified Public Accountants Testing Project Office
The Psychological Corporation
304 E. 45th Street
New York, New York 10017

Copyright Date: 1965/71 Cost of Test Books: 75¢ rental

Forms Available: Several Specimen Set:

Standardization Data: Percentile norms for several levels of education and experience.

Time to Administer: 50 minutes or 2 hours.

Answer Sheet and Scoring: Separate answer sheet. Central machine-scoring and reporting service.

Test Description: 50-minute version has 50 four-choice multiple-choice items; 2-hour version has 100 four-choice multiple-choice items. The tests measure knowledge of Accounting near the end of an undergraduate program with a major in Accounting covering

Managerial Accounting
Auditing
Statistical Sampling
Operational Research
Systems
Electronic Data Processing

Test Title: COMMERCIAL EDUCATION SURVEY TEST: JUNIOR SHORTHAND

Author(s): Edith V. Bisbee

Publisher: Bobbs-Merrill Company
1720 East 38th Street
Indianapolis, Indiana

Copyright Date: 1933 Cost of Test Books: 11¢

Forms Available: One Specimen Set: 40¢

Standardization Data: Quartile norms.

Time to Administer: Untimed and paced dictation.

Answer Sheet and Scoring: Answer in test book. Hand score. Scoring is rather subjective. Must be done by subject matter expert.

Test Description: Three subtests:

1. Writing of given sentences in shorthand
2. Taking shorthand notes of two dictated letters; transcribing the notes after a time interval
3. Spelling - dictated sentences

MMY-38:936

Test Title:	COMMERCIAL EDUCATION SURVEY TESTS: SENIOR SHORTHAND
Author(s):	Edith V. Bisbee
Publisher:	Bobbs-Merrill Company 1720 East 38th Street Indianapolis, Indiana
Copyright Date:	1933 Cost of Test Books: 11¢
Forms Available:	One Specimen Set: 40¢
Standardization Data:	Quartile norms
Time to Administer:	Untimed and paced dictation.
Answer Sheet and Scoring	Answer in test book. Hand score. Scoring is rather subjective. Must be done by subject matter expert.
Test Description:	Three subtests: 1. Writing of given sentences in shorthand 2. Taking shorthand notes of three dictated letters; transcribing and typing the letters after a time interval 3. Spelling - dictated sentences

MMY-38:936

Test Title: COMPUTERS AND DATA PROCESSING

Author(s):

Publisher: College Level Examination Program
College Entrance Examination Board
Box 592
Princeton, New Jersey 08540

Copyright Date: 1968

Cost of Test Books: Fee to take test, $15*

Forms Available: One

Specimen Set: Free loan to college officials

Standardization Data: Standard scores and percentile norms.
Reliability: r=.88 (KR 20).
Validity: correlation with course grade, r=.46

Time to Administer: 90 minutes.

Answer Sheet and Scoring: Separate answer sheet; machine-scored; central scoring and reporting service.

Test Description: 100 five-choice multiple-choice items covering

- Punched Card Equipment and Processing Methods
- Computer Equipment and Functions
- Data Representation and Central Processer Functions
- File Organization and Processing
- Data Processing System Design
- Elements of Computer Programming
- Program Modification and Input-Output Programming
- Program De-bugging
- Control of Errors in Data Processing
- Management of the Data Processing Function

NOTE: A "Brief Test" version available. Time to administer: 45 minutes; test rental fee: 75¢; local hand- or machine-score.

*$5.00 per student when administered by college.

Test Title: EVERY PUPIL ACHIEVEMENT TEST: TYPEWRITING I

Author(s): Richard F. Reicherter

Publisher: Bureau of Educational Measurements
Kansas State Teachers College
Emporia, Kansas 66801

Copyright Date: 1968, 1969, 1970 Cost of Test Books: 10¢

Forms Available: Four Specimen Set: 10¢

Standardization Data: Quartile norms.
Validity: test is a work sample with inherent validity.

Time to Administer: 42 minutes

Answer Sheet and Scoring: Typed on blank paper. Hand-score.

Test Description:

Part 1: Straight Copying, 4 minutes, 24 points
Part 2: Rough Draft, 10 minutes, 21 points
Part 3: Business Letter, 18 minutes, 40 points
Part 4: Vertical and Horizontal Centering, 10 minutes, 15 points

Test Title: EVERY PUPIL ACHIEVEMENT TEST: TYPEWRITING II

Author(s): Richard F. Reicherter

Publisher: Bureau of Educational Measurements
Kansas State Teachers College
Emporia, Kansas 66801

Copyright Date: 1968, 1969, 1970 Cost of Test Books: 10¢

Forms Available: Four Specimen Set: 10¢

Standardization Data: Quartile norms.
Validity: this is a work-sample test with inherent validity.

Time to Administer: 40 minutes

Answer Sheet and Scoring: Typed on blank paper. Hand-score.

Test Description Description:

Part 1: Typing from Rough Draft, 12 minutes, 40 points
Part 2: Typing Business Letter, 8 minutes, 35 points
Part 3: Tabulation, 12 minutes, 30 points
Part 4: Typing Business Letter, 8 minutes, 35 points

Title: GENERAL BUSINESS

Publisher: The Instructional Objectives Exchange
P.O. Box 24095
Los Angeles, California 90024

Publication Date: 1970 Cost: $8.00

Description: This is NOT a standardized test. It is a list of instructional objectives with examples of measurement items suitable for measuring achievement of each objective.

The General Business Collection contains 35 objectives and related evaluation items for grades ten through twelve. It includes objectives in money and banking, consumer buying and credit, economic risks (insurance), and money management, communication and transportation, sales and merchandizing. Also included is a special section of business mathematics objectives, some of which may also be found in the General Mathematics Collection, grades ten through twelve. They are included in the General Business Collection due to the nature of their content similarity and general relevance to the objectives in this Collection.

Test Title: GENERAL BUSINESS ACHIEVEMENT TEST

Author(s): The Psychological Corporation

Publisher: Gregg Division, McGraw-Hill Book Company
Hightstown, New Jersey 08520

Copyright Date: 1967 Cost of Test Books: 30/$5.50

Forms Available: Two Specimen Set: $1.00

Standardization Data: Percentile norms (N=1967 high school students completing one year general business course). Validity assumed on basis of content parallel to usual textbooks.
Reliability: r=.86 (N=400, split-half method corrected by Spearman-Brown formula).

Time to Administer: 35 minutes

Answer Sheet and Scoring: Answer in test book. Hand-score.

Test Description: 60 four-choice multiple-choice items covering the topics:

American Business System
Money and Banking Services
Consumer Buying and Credit
Savings and Investment
Budgets and Record Keeping
Insurance
Transportation and Communication Services
Labor Management
Government Activities
Occupational Planning

Test Title: GENERAL OFFICE CLERICAL TEST (INCLUDING FILING), NATIONAL BUSINESS ENTRANCE TESTS

Author(s):

Publisher: National Business Education Association
1201 16th Street, N.W.
Washington, D. C. 20036

Copyright Date: 1955, Revised 1964

Cost of Test Books: 50¢

Forms Available: One for purchase; two restricted to secure testing program.

Specimen Set: $4 for series

Standardization Data: Percentile norms available.

Time to Administer: 2 hours

Answer Sheet and Scoring: Answer in test book. Hand-score. Elaborate scoring rules provided.

Test Description: This is a work-sample test with 240 scorable points. Tasks include Alphabetic and Numeric Comparison, Spelling, Preparing Stock Record Cards, Recording Numerous Transactions, Indexing and Arranging, and Writing Various Business Documents.

MMY-6:33, 32

Test Title: MACHINE CALCULATION TEST, NATIONAL BUSINESS ENTRANCE TESTS

Author(s):

Publisher: National Business Education Association
1201 16th Street, N.W.
Washington, D. C. 20036

Copyright Date: 1955, Revised 1964.

Cost of Test Books: 50¢

Forms Available: One for purchase; two restricted to secure testing program.

Specimen Set: $4 for series

Standardization Data: Percentile norms available.

Time to Administer: 2 hours

Answer Sheet and Scoring: Answer in test book. Hand-score.

Test Description: This is a work-sample test with 240 scorable points. All tasks require use of a calculating machine. Tasks include Invoices, Time Cards, Summaries of Sales, Inventory Reports, Statistical Reports, Discounts and Net Amounts, and Mark-up of Invoice.

MMY-6:33, 39

Test Title: MONEY AND BANKING

Author(s):

Publisher: College Level Examination Program
College Entrance Examination Board
Box 592
Princeton, New Jersey 08540

Copyright Date: 1967

Cost of Test Books: Fee to take test, $15*

Forms Available: 2

Specimen Set: Free loan to college officials

Standardization Data: Standard scores and percentile norms.
Reliability: r=.85 (KR 20)
Validity: correlation with course grade, r=.35.

Time to Administer: 90 minutes.

Answer Sheet and Scoring: Separate answer sheet; machine-scored; central scoring and reporting service.

Test Description: 100 five-choice multiple-choice items covering

Money and the Mechanism by which it is Supplied
Commercial Banking
Monetary Theory
Implementation of Monetary Policy
International Monetary Relations
Problems in Monetary Policy

NOTE: A "Brief Test" version available. Time to administer: 45 minutes; test rental fee: 75¢; local hand- or machine-score.

*$5.00 per student when administered by college.

Test Title: PRI TEST OF SHORTHAND SKILLS

Author(s): Jay L. Otis and Harry Laurent

Publisher: Personnel Research Institute
Psychological Research Services
Case Western Reserve University
11105 Euclid Avenue
Cleveland, Ohio 44100

Copyright Date: 1951 Cost of Test Books: 15¢

Forms Available: 2 Specimen Set: $1.00

Standardization Data: Decile norms (speed and accuracy) for employed stenographers and advanced students.
Validity: r's with final grades in .50 range.
Reliability: r=approximately .80 for accuracy score, lower for time score.

Time to Administer: Approximately 20 minutes.

Answer Sheet and Scoring: Answer in test book; hand-score.

Test Description: The test consists of two 11" x 15" sheets with carbon interleaf. The top sheet has a printed business letter which the examinee is required to transliterate in any shorthand system. Parts of the original letter are printed on the bottom sheet, with 60 words left blank for the examinee to fill in from her own shorthand notes. Scoring is for time to transliterate, and accuracy of transcription.

MMY-6:43

Test Title: RUSSELL-SANDERS BOOKKEEPING TEST

Author(s): Raymond B. Russell and M. W. Sanders

Publisher: Bureau of Educational Measurements
Kansas State Teachers College
Emporia, Kansas 66802

Copyright Date: 1964 Cost of Test Books: 25/$1.75

Forms Available: Four Specimen Set: 75¢

Standardization Data: Percentile norms for first-year bookkeeping students (N=more than 2000).

Validity inferred from correspondence of content with several leading textbooks and courses of study.

Reliabilities range from .88 to .91 with N's of over 2000 (corrected split-half).

Time to Administer: 40 minutes

Answer Sheet and Scoring: Answer in test book. Hand-score.

Test Description: Four forms are not parallel in content or item type, but overall include true-false, matching, four-choice multiple-choice items. The number of items varies from 90 to 110; the tests cover Journalizing of Business Transactions, Classification of Accounts, Adjusting and Closing Entries, and Practical Problems.

Title: SECRETARIAL SKILLS

Publisher: The Instructional Objectives Exchange
P.O. Box 24095
Los Angeles, California 90024

Publication Date: 1970

Cost: $8.00

Description: This is NOT a standardized test. It is a list of instructional objectives with examples of measurement items suitable for measuring achievement of each objective.

This Secretarial Skills Collection is composed of 47 objectives and related evaluation items and is part of a series of Collections designed for Business Education grades ten through twelve. It is organized into the following categories: typing, shorthand, office machines, office practice, and business English and communication.

Test Title: SHORT OCCUPATIONAL KNOWLEDGE TEST FOR BOOKKEEPERS

Author(s): Bruce A. Campbell and Suellen O. Johnson

Publisher: Science Research Associates
259 East Erie Street
Chicago, Illinois 60611

Copyright Date: 1970 Cost of Test Books: 20/$4

Forms Available: One Specimen Set: $2 (estimate)

Standardization Data: Scores classified as Fail, Unclassifiable, or Pass.
Validity: 83% properly categorized as qualified and unqualified, with "Unclassifiable" dropped out. (N=184)
Reliability: r=.92 (pretest sample N=184, KR 20).

Time to Administer: Untimed; 15 minutes should be adequate.

Answer Sheet and Scoring: Answers marked on test sheet. Scored by counting marks in boxes on back of carbon interleaved sheet.

Test Description: 20 five-choice multiple-choice items on bookkeeping practices.

Test Title: SHORT OCCUPATIONAL KNOWLEDGE TEST FOR OFFICE MACHINE OPERATORS

Author(s): Bruce A. Campbell and Suellen O. Johnson

Publisher: Science Research Associates
259 East Erie Street
Chicago, Illinois 60611

Copyright Date: 1970 Cost of Test Books: 20/$4

Forms Available: One Specimen Set: $2 (estimate)

Standardization Data: Scores classified as Fail, Unclassifiable, or Pass.
Validity: 73% of 218 pretest subjects correctly categorized as qualified or unqualified, with "Unclassifiable" dropped out.
Reliability: r=.60 (pretest sample N=218, KR 20).

Time to Administer: Untimed; 15 minutes should be adequate.

Answer Sheet and Scoring: Answers marked on test sheet. Scored by counting marks in boxes on back of carbon interleaved sheet.

Test Description: 20 five-choice multiple-choice items on operation and use of various office machines, including Adding Machines, Typewriter, Calculator, Keypunch, and Duplicating Machines.

Test Title: SHORT OCCUPATIONAL KNOWLEDGE TEST FOR SECRETARIES

Author(s): Bruce A. Campbell and Suellen O. Johnson

Publisher: Science Research Associates
259 E. Erie Street
Chicago, Illinois 60611

Copyright Date: 1969

Cost of Test Books: 20/$4

Forms Available: One

Specimen Set: $2 per series

Standardization Data: Scores categorized as Fail, Unclassifiable, or Pass.
Validity: 95.5% qualified and unqualified subjects properly categorized with Unclassifiable dropped out.
Reliability: r=.73 (N=83, KR 20).

Time to Administer: Untimed; 15 minutes usually adequate.

Answer Sheet and Scoring: Answers marked on test sheet. Test scored by counting marks in boxes on back of carbon interleaved sheet.

Test Description: 20 five-choice multiple-choice items covering office practices and terminology.

Test Title:	SHORTHAND TEST
Author(s):	J. H. Norman
Publisher:	Personnel Research Associates P.O. Box 2994 Dallas, Texas 75221
Copyright Date:	1960 Cost of Test Books: 20/$8
Forms Available:	2
Standardization Data:	Percentile norms (N=376).
Time to Administer:	Approximately 5 minutes for dictation; 15 minutes allowed for transcription of the two best letters.
Answer Sheet and Scoring:	Hand-scored by counting errors in typed copy.
Test Description:	Five short letters dictated at speeds from 50 words per minute to 120 words per minute. The dictation for Form A is also available on a 33 1/3 RPM record.

Test Title: STENOGRAPHIC TEST, NATIONAL BUSINESS ENTRANCE TESTS

Author(s):

Publisher: National Business Education Association
1201 16th Street, N.W.
Washington, D. C. 20036

Copyright Date: 1955, Revised 1964

Cost of Test Books: 50¢

Forms Available: One for purchase; two restricted to secure testing program.

Specimen Set: $4 for series

Standardization Data: Percentile norms available.

Time to Administer: 2 hours

Answer Sheet and Scoring: Type dictated material on letterhead and other paper provided. Hand-score. Elaborate scoring rules provided.

Test Description: This is a work-sample test with 180 scorable points. 30 minutes of dictation of various letters and memoranda is followed by a period of ninety minutes for transcription.

MMY-6:33, 47

Test Title: STUDENTS TYPEWRITING TESTS

Author(s): Ruthetta Krause

Publisher: National Business Education Association
1201 Sixteenth Street, N.W.
Washington, D. C. 20036

Copyright Date: 1958

Cost of Test Books: 10/50¢ to $1 depending on quantity

Forms Available: One

Specimen Set: $2

Standardization Data: Percentile norms.
Validity: these are work-sample tests yielding scores in speed and accuracy.

Time to Administer: 35 minutes

Answer Sheet and Scoring: Typed responses are hand-scored.

Test Description: Four tests, each covering one semester of typing instruction:

Test 1 includes Timed Writing, Theme Writing (copying from manuscript), Centering, and Letter-Writing.

Test 2 includes Time Writing, Business Letter with Correction, Tabulation, and Manuscript.

Test 3 includes Timed Writing, Business Letter with Tabulation, Business Forms, and Rough Draft Manuscript.

Test 4 includes Timed Writing, Index Cards, Form Letters, Rough Draft Memorandum with Tabulation.

NOTE: Certificates and pins are available for students who achieve at specified levels.

Test Title: SURVEY OF CLERICAL SKILLS

Author(s): J. H. Norman

Publisher: Personnel Research Associates
P. O. Box 2994
Dallas, Texas 75221

Copyright Date: 1959 Cost of Test Books: $1.40

Forms Available: One Specimen Set: $4.45

Standardization Data: Percentile scores (N=2176).
Validity: correlation of part scores with rated on-the-job performance varied from a low of .23 for office mathematics to a high of .61 for office terms (N=21).
Reliability of subtests ranges from a low of .875 for filing to a high of .943 for spelling (test retest reliability, N=26).

Time to Administer: 40 minutes

Answer Sheet and Scoring: Separate answer sheet. Hand-score.

Test Description: 150 short-answer items yielding separate scores for 40 items in spelling, 20 items in office mathematics, 25 items office terms, 25 items in filing, and 40 items in grammar.

Test Title: TWENTIETH CENTURY BOOKKEEPING AND ACCOUNTING
ADVANCED COURSE BOOKKEEPING TESTS

Author(s):

Publisher: South-Western Publishing Company
5101 Madison Road
Cincinnati, Ohio 45227

Copyright Date: 1968 Cost of Test Books: 2¢

Forms Available: One, frequent revision

Specimen Set: 18¢

Standardization Data: Percentile norms (Ns range from 300 to 2500). Validity: the tests are planned to correlate with the advanced course of Twentieth Century Bookkeeping and Accounting, 23rd edition.

Time to Administer: Untimed; one class period

Answer Sheet and Scoring: Answer in test book. Hand-score.

Test Description: 100-item tests including multiple-choice, completion, and matching items.

Test 9, Chapters I - V, covers The Bookkeeping Cycle in Review and Departmental and Payroll Accounting.

Test 10, Chapters VI - IX deals with Accounting for Adjustments.

Test 11, Chapters XI - XII is on Partnership Accounting.

Test 12, Chapters XIII - XV, covers Control Accounting.

Test 13, Chapters XVI - XVIII, covers Notes, Drafts, and Taxes.

Test 14, Chapters XIX - XXIV, includes Corporation Accounting and Automation Applied to Selected Accounting Procedures.

Test 15, Chapters XXV - XXVII, is on Cost Accounting.

Test 16, Chapters XXVIII - XXX, deals with Special Problems of Sales Accounting.

Test Title: TWENTIETH CENTURY BOOKKEEPING AND ACCOUNTING: BOOKKEEPING TESTS, FIRST YEAR

Author(s):

Publisher: South-Western Publishing Company
5101 Madison Road
Cincinnati, Ohio 45227

Copyright Date: 1967 Cost of Test Books: 2¢ each

Forms Available: One, frequent revision

Specimen Set: 18¢

Standardization Data: Percentile norms (N=3500).
Validity: tests are planned to correlate with the elementary and first-year courses of Twentieth Century Bookkeeping and Accounting, 23rd edition.

Time to Administer: Untimed; one class period.

Answer Sheet and Scoring: Answer in test book. Hand-score.

Test Description: There are eight 100-item tests. Items are short-answer, completion, and matching types.

Test 1, covering Chapters I - VI, includes Opening Accounts, Journalizing, and Posting.

Test 2, on Chapters VII - XI, covers Ledgers, Worksheet, and Financial Statements.

Test 3, over Chapters XII - XVII, covers Special Journals, Subsidiary Ledgers, and Bank Services.

Test 4, covers Practice Set No. 1.

Test 5, Chapters XVIII - XX, deals with Work at the End of a Fiscal Period.

Test 6, Chapters XXI - XXVI, covers Recording Special Bookkeeping Transactions and Automated Data Processing.

Test 7, Chapters XXVII - XXX, covers Fixed Asset Problems, Uncollectable Accounts, and Use of the Cash Register.

Test 8, Chapters XXI - XXXIII, covers Columnar Journals, Notes and Interest, and Accrued Income and Expenses.

Test Title:	TYPEWRITING ACHIEVEMENT TEST - 1st Year
Author(s):	Psychological Corporation
Publisher:	Gregg Division, McGraw-Hill Book Company Hightstown, New Jersey 08520
Copyright Date:	1967 Cost of Test Books: 30/$8.50
Forms Available:	Two Specimen Set: $1.00
Standardization Data:	Percentile norms (N=1696 first-year typing students). Validity: inherent validity of a work-sample test which emphasizes skills taught in first-year typing. Reliability for total production tests: r=.88 (N=296). Reliabilities for subtests vary from .50 for straight copy accuracy to .93 for straight copy speed. Reliability is based on test-retest technique.
Time to Administer:	51 minutes testing time.
Answer Sheet and Scoring:	Type-on paper and letterhead provided. Hand-score.
Test Description:	Part 1: Basic Information. 60 four-choice multiple-choice items on general typing practices. Part 2: Straight copy typing yielding speed score and accuracy score. Part 3: Business Letter Typing. Part 4: Revised Manuscript Typing. Part 5: Tabulation Typing.

Test Title: TYPEWRITING ACHIEVEMENT TEST - 2nd Year

Author(s): The Psychological Corporation

Publisher: Gregg Division, McGraw-Hill Book Company
Hightstown, New Jersey 08520

Copyright Date: 1967 Cost of Test Books: 30/$8.50

Forms Available: Two Specimen Set: $1.00

Standardization Data: Percentile norms.
Validity: this is a work-sample test; tasks are typical of the kind a typist may be expected to encounter.
Reliabilities of test sections vary from .71 to .90. Reliability of combined sections two through five equals .93.

Time to Administer: 49 minutes

Answer Sheet and Scoring: Typed-on paper and letterhead provided.
Hand-score.

Test Description:

Part 1: straight-copy typing, 2 minutes warm-up, plus 5 minutes test
Part 2: invoice typing, 10 minutes
Part 3: tabulation typing, 10 minutes
Part 4: form-letter typing, 2 minutes warm-up, plus 10 minutes
Part 5: revised manuscript typing, 10 minutes

Test Title: TYPEWRITING TEST, NATIONAL BUSINESS ENTRANCE TESTS

Author(s):

Publisher: National Business Education Association
1201 16th Street, N.W.
Washington, D. C. 20036

Copyright Date: 1955, Revised 1964

Cost of Test Books: 50¢

Forms Available: One for purchase; two restricted to secure testing program.

Specimen Set: $4 for series

Standardization Data: Percentile norms available.

Time to Administer: 2 hours

Answer Sheet and Scoring: Type on letterheads and other materials provided. Hand-score.

Test Description: This is a work-sample test with 240 scorable points. Tasks include Typing Letters, Interoffice Memoranda, Copying Form Letter, Preparing Invoice, Tabulation, and Typing from Corrected Manuscript.

MMY-6:33, 55

Test Title: TYPING SKILLS TEST

Author(s): Marion W. Richardson and Ruth A. Pedersen

Publisher: Science Research Associates
259 East Erie Street
Chicago, Illinois

Copyright Date: 1947 Cost of Test Books: 25/$4.80

Forms Available: Two Specimen Set: $1.10

Standardization data: None; job sample test with inherent validity

Time to Administer: 15 minutes, including practice.

Answer Sheet and Scoring: Test is typed on answer sheet. Hand-scored to yield speed and accuracy scores.

Test Description: This is a performance test, a job sample of production typing. The task is to type a 225-word business letter as often as possible in the 10-minute test period.

Test Title:	TYPING TEST
Author(s):	J. H. Norman
Publisher:	Personnel Research Associates P.O. Box 2994 Dallas, Texas 75221
Copyright Date:	1959 Cost of Test Books: 20/$8
Forms Available:	2 Specimen Set: 50¢
Standardization Data:	Percentile norms.
Time to Administer:	5 minutes
Answer Sheet and Scoring:	Hand-score typed product.
Test Description:	Short practice exercise, familiarization with typewriter, followed by five-minute timed typing of typed text.

Test Title: TYPING TEST FOR BUSINESS

Author(s): Jerome E. Doppelt, Arthur D. Hartman, and Faye B. Krawchick

Publisher: The Psychological Corporation
304 East 45th Street
New York, New York 10017

Copyright Date: 1967 Cost of Test Books: 25/$14.75

Forms Available: 2 Specimen Set: $2

Standardization Data: Percentile norms for employed and entry level typists.
Validity: This is a work-sample test with inherent validity.
Reliability: Straight-Copy speed: r=.87
Straight-Copy accuracy: r=.72
Letters: r=.87
Revised Manuscript: r=.82
Numbers: r=.77
Tables: r=.67 (N=125, test-retest.)

Time to Administer: 40 minutes

Answer Sheet and Scoring: Typing paper and letterhead provided. Hand-score. Extensive rules for scoring included.

Test Description: Two-minute practice copy exercise to be administered before using any other parts of the test.

Five independent test units:

1. Straight copy: five-minute timed typing task.
2. Letters: three business letters, one brief, one moderate length, one full-length. Ten minutes.
3. Revised manuscript: requires production of correct copy from a rough draft containing commonly used revision marks.
4. Numbers unit: three-minute test designed to measure facility in typing numbers in relatively pure form. Typist is required to type consecutive lines of four-digit numbers.
5. Tables: ten-minute unit requiring the typist to set up four open tables from handwritten copy. Tables are arranged in ascending order of complexity and difficulty.

OTHER

Test Title: CHEMICAL OPERATORS SELECTION TEST

Author(s): M. A. Storr, J. H. McPherson, P. A. Maschino, R. G. Garner, and J. I. Wegener

Publisher: Dow Chemical Company, Midland, Midland, Michigan 48640

Copyright Date: 1958

Cost of Test Books: 30¢ each (estimate)

Forms Available: Two

Specimen Set:

Standardization Data: Percentile norms for various groups of chemical operators and job applicants.
Validity: rank order correlation between supervisor rating and test score =.65 (N=10).
Mean scores of operators and supervisors significantly higher than scores of applicants and high school students.

Time to Administer: Untimed; 1 hour should be sufficient.

Answer Sheet and Scoring: Separate answer sheet. Hand-score.

Test Description:

Part 1: 20 three- and four-choice multiple-choice items on Physical Principles.

Part 2: 20 five-choice multiple-choice items on Reading Chemical Tables.

Part 3: 10 five-choice multiple-choice items on Reading a Multicurve Graph.

Part 4: 5 four-choice multiple-choice items on Judgment and Performance in a Given Situation.

Part 5: 10 short-answer items requiring the following of a diagram depicting the flow of material through a process and determining which valves to open or close to obtain certain specified results.

Test Title: COSMETOLOGY, OHIO TRADE AND INDUSTRIAL EDUCATION TESTS

Author(s):

Publisher: Industrial Materials Laboratory
Trade and Industrial Education
The Ohio State University
1885 Neil Avenue
Columbus, Ohio 43201

Copyright Date: 1969 Cost of Test Books: Inquire of publisher

Forms Available: One Specimen Set:

Standardization Data: Percentile norms for total and part scores. Validation studies have been conducted. Reliability: r=.94 (N=422 high school seniors, KR 20).

Time to Administer: 4 hours in two sessions.

Answer Sheet and Scoring: Separate answer sheet. Centralized machine scoring service.

Test Description: 348 multiple-choice items covering

Scalp
Hands and Feet
Hari
Hair Tints and Bleach
Face Information
Facial
Makeup
Sanitation
Applied Science
Anatomy
Physiology
Shop Management
Trade Mathematics
Legal Guidance

NOTE: Restricted test, not available to individual teachers. School officials may arrange for use.

Test Title: GENERAL INDUSTRIAL ARTS, COOPERATIVE INDUSTRIAL ARTS TESTS

Author(s):

Publisher: Educational Testing Service
Princeton, New Jersey 08540

Copyright Date: 1969

Cost of Test Books: 20/$7

Forms Available: Two

Specimen Set: $3 for series

Standardization Data: Percentile Norms
Validity: Content
Reliability: r=.84 (KR 20)

Time to Administer: 35 minutes.

Answer Sheet and Scoring: Separate answer sheet. Hand- or macnine-score.

Test Description: 50 four-choice multiple-choice items covering

Drawing
Electricity
Electronics
Metals
Woods
Industrial Practice

More than 1/3 of the items are illustrated.

Test is designed for pupils in grades 7, 8, 9 who have completed a two-semester course in general industrial arts.

Test Title: SHORT OCCUPATIONAL KNOWLEDGE TEST FOR TRUCK DRIVERS

Author(s): Bruce A. Campbell and Suellen O. Johnson

Publisher: Science Research Associates
259 East Erie Street
Chicago, Illinois 60611

Copyright Date: 1970 Cost of Test Books: 20/$4

Forms Available: Two Specimen Set: $2 (estimate)

Standardization Data: Scores classified as Fail, Unclassifiable, or Pass.
Validity: 89% of subjects correctly categorized as qualified or unqualified, with "Unclassifiable" dropped out (N=145).
Reliability: r=.75 (N=145, KR 20). Alternate form correlations, r=.83 (N=145).

Time to Administer:

Answer Sheet and Scoring: Answers marked on test sheet. Scored by counting marks in boxes on back of carbon interleaved sheet.

Test Description: 20 four- and five-choice multiple-choice items covering Department of Transportation Regulations, Truck Terminology, and Accepted Driving Practices.

Test Title: STANFORD ACHIEVEMENT TEST: HIGH SCHOOL TECHNICAL COMPREHENSION TEST

Author(s): Eric F. Gardner, Jack C. Merwin, Robert Callis, and Richard Madden

Publisher: Harcourt, Brace, Joranovich
757 Third Avenue
New York, New York 10017

Copyright Date: 1965 Cost of Test Books: 35/$7.70

Forms Available: Two Specimen Set: $1.75

Standardization Data: Percentile norms
Validity: Content
Reliability: r=.93 (N=1718, estimate of KR 20)

Time to Administer: 40 minutes

Answer Sheet and Scoring: Separate answer sheet.

Test Description: 70 four-choice multiple-choice items covering

Drawing
Metals and Metalworking
Wood and Woodworking
Electricity-Electronics
Automobile Mechanics
Common Tools

KEY WORD INDEX

ACCOUNTING
The College Accounting Testing Program Achievement Test, Level I 119
The College Accounting Testing Program Achievement Test, Level II 120

AIDE, NURSING
Test Reservoir for Aide Instructors in Nursing (TRAIN) 89
Testing the Aide's Skills with Children (TASC) 90
Tool for Evaluating Abilities and Competencies of Home Health Aides (TEACH) 91

AIR CONDITIONING
Achievement Test for Air Conditioning, Heating, and Refrigeration 9
Refrigeration, Heating, and Air Conditioning 18

ANATOMY *(See also: NURSING)*
Achievement Test in Anatomy and Physiology 50
Achievement Tests in Nursing: Anatomy and Physiology 61

AUTO MECHANICS *(See also: DIESEL MECHANICS)*
Achievement Test for Automotive Mechanics 1
Auto Body, Ohio Trade and Industrial Education Tests 2
Auto Mechanics 3
Auto Mechanics Trade Competency Examination 4
Automotive Mechanics, Ohio Trade and Industrial Education Test 5
Examination in Automotive Mechanics 6
Short Occupational Knowledge Test for Auto Mechanics 8

BANKING
Money and Banking 130

BLUEPRINT READING *(See also: DRAFTING, MECHANICAL DRAWING)*
The Fiesenheiser Test of Ability to Read Drawings 99
Purdue Blueprint Reading Test 104

BOOKKEEPING *(See also: BUSINESS - GENERAL; CALCULATION; CLERICAL; OFFICE MACHINES; SECRETARIAL; SHORTHAND; STENOGRAPHIC; TYPING.)*
Bookkeeping 112
Bookkeeping Achievement Test, First Semester 113
Bookkeeping Achievement Test, First Year 114
Bookkeeping, Minnesota High School Achievement Examinations 115
Bookkeeping Test, National Business Entrance Tests 116
Russell-Sanders Bookkeeping Test 132
Short Occupational Knowledge Test for Bookkeepers 134
Twentieth Century Bookkeeping and Accounting: Advanced Course Bookkeeping Tests 141
Twentieth Century Bookkeeping and Accounting: Bookkeeping Tests, First Year 142

BUSINESS - GENERAL *(See also: BOOKKEEPING; CALCULATION; CLERICAL; OFFICE MACHINES; SECRETARIAL; SHORTHAND; STENOGRAPHIC; TYPING.)*
Business Fundamentals and General Information Test, National Business Entrance Tests 117
Business Law 118
General Business 126
General Business Achievement Test 127

CALCULATION *(See also: BOOKKEEPING; BUSINESS - GENERAL; CLERICAL; OFFICE MACHINES; SECRETARIAL; SHORTHAND; STENOGRAPHIC; TYPING.)*
Machine Calculation Test, National Business Entrance Tests 129

CARPENTRY
Carpentry Trade Competency Examination 12
Examination in Carpentry 14
Purdue Trade Information Test in Carpentry 15
Short Occupational Knowledge Test for Carpenters 19

CHEMICAL OPERATORS
Chemical Operators Selection Test 149

CHEMISTRY
Achievement Test in Chemistry 53
Achievement Tests in Nursing: 64
General Chemistry
Achievement Tests in Nursing: 69
Organic and Inorganic Chemistry
CLERICAL *(See also: BOOKKEEPING; BUSINESS - GENERAL; CALCULATION; OFFICE MACHINES; SECRETARIAL; SHORTHAND; STENOGRAPHIC; TYPING.)*
General Office Clerical Test 128
(Including Filing), National
Business Entrance Tests
COSMETOLOGY
Cosmetology, Ohio Trade and Indus- 150
trial Education Tests

DATA PROCESSING
Achievement Test for Data Process- 110
ing Technology - Business
Achievement Test for Data Process- 111
ing Technology - Scientific
Computers and Data Processing 123
DIESEL MECHANICS
Heavy Equipment and Diesel Trades 7
DRAFTING *(See also: BLUEPRINT READING; MECHANICAL DRAWING.)*
Drafting Trade Competency Examination 24
Examination in Architectural Drafting 26
and Building Construction
General Drafting: A Comprehensive 27
Examination
Mechanical Drafting, Ohio Trade and 28
Industrial Education Tests
Short Occupational Knowledge Test 33
for Draftsmen

ELECTRICAL FIELD
Achievement Test for Electrical 10
Installation and Maintenance
(Industrial Electricity)
Basic Electricity, Ohio Trade and 11
Industrial Education Tests
Electricity Electronics Competency 37
Examination
Electricity-Electronics, Cooperative 38
Industrial Arts Tests

Electrical Sophistication Test 13
Examination in Technical Electricity and Electronics 41
Short Occupational Knowledge Test for Electricians 20

ELECTRONICS
Achievement Test for Electronics Technology 34
Basic Electronics, Ohio Trade and Industrial Education Tests 36
Electronics 39
Troubleshooting Trainer-Tester Device for the Basic Positioning Servo System (Electronics) 42
Troubleshooting Trainer-Tester Device for the Basic Radar System (Electronics) 43
Troubleshooting Trainer-Tester Device for the Black and White Television Receiver (RCA-ACS78) (Electronics) 44
Troubleshooting Trainer-Tester Device for Electronic Circuits 45
Troubleshooting Trainer-Tester Device for the Push-Pull Amplifier (Electronics) 46
Troubleshooting Trainer-Tester Device for the Superheterodyne Receiver (Electronics) 47
Troubleshooting Trainer-Tester Device for the Three-Stage Transmitter (Electronics) 48

INDUSTRIAL ARTS
Drawing, Cooperative Industrial Arts Tests 25
Electricity/Electronics, Cooperative Industrial Arts Tests 38
General Industrial Arts, Cooperative Industrial Arts Tests 151
Metals, Cooperative Industrial Arts Tests 103
Woods, Cooperative Industrial Arts Tests 22

MACHINE SHOP *(See also: METAL WORK; MICROMETER.)*
Achievement Test for Machinists 92
Can You Read a Scale? 95
Examination in Machine Shop Practices 97
Machine Trade Competency Examination 101

Machine Trades, Ohio Trade and Industrial Education 102
Purdue Trade Information Test in Engine Lathe Operations 105
Short Occupational Knowledge Test for Machinists 107
MECHANICAL DESIGN
Examination in Mechanical Design and Construction 98
MECHANICAL DRAWING *(See also: BLUEPRINT READING; DRAFTING.)*
Can You Read a Working Drawing? 96
Drawing, Cooperative Industrial Arts Tests 25
Mechanical Drawing 29
METAL WORK
General Metals 100
Metals, Cooperative Industrial Arts Tests 103
Purdue Trade Information Test for Sheet Metal Workers 105
Sheet Metal, Ohio Trade and Industrial Education Tests 17
MICROBIOLOGY *(See also: NURSING.)*
Achievement Test in Microbiology 55
Achievement Tests in Nursing: Microbiology 66
MICROMETER
Can You Read a Micrometer? 94

NURSING *(See also: AIDE; ANATOMY; MICROBIOLOGY; NUTRITION; PHARMACOLOGY; PSYCHOLOGY; SCIENCES.)*
Achievement Test in Basic Nursing Procedures and Elementary Nutrition 51
Achievement Test in Elementary Psychiatric Nursing 54
Achievement Tests in Nursing: Cancer Nursing 62
Achievement Test in Nursing of Children 57
Achievement Tests in Nursing: Communicable Diseases 63
Achievement Tests in Nursing: Medical Nursing 65
Achievement Tests in Nursing: Obstetrical Nursing 68

Achievement Tests in Nursing: 70
Pediatric Nursing
Achievement Tests in Nursing: 73
Surgical Nursing
Achievement Test in Obstetric 58
Nursing
Achievement Tests in Practical 74
Nursing
Achievement Test in Psychiatric 59
Nursing
Achievement Test in Public Health 60
Nursing
Basic Course-End Achievement Test 75
in Medical-Surgical Nursing
Comprehensive Achievement Test in 77
Communicable Disease Nursing
Comprehensive Achievement Test in 79
Disaster Nursing
Comprehensive Achievement Test in 80
Maternal-Child Nursing
Comprehensive Achievement Test in 81
Maternity and Child Nursing
Comprehensive Achievement Test in 82
Medical-Surgical Nursing
Comprehensive Achievement Test in 83
Medical-Surgical Nursing,
Part I (Three-in-One)
Comprehensive Achievement Test in 84
Medical-Surgical Nursing,
Part II (Two-in-One)
Practical Nursing Achievement Test: 87
Nursing Including Aspects of
Pharmacology
Practical Nursing Achievement Test: 88
Three Units of Content

NUTRITION *(See also: NURSING.)*
Achievement Test in Normal Nutrition 56
Achievement Tests in Nursing: 67
Nutrition and Diet Therapy
Comprehensive Achievement Test in Diet 78
Therapy and Applied Nutrition

OFFICE MACHINES *(See also: BOOKKEEPING; BUSINESS - GENERAL; CALCULATION; CLERICAL; SECRETARIAL; SHORTHAND; STENOGRAPHIC; TYPING.)*
Short Occupational Knowledge Test for 135
Office Machine Operators

PHARMACOLOGY *(See also: NURSING.)*
Achievement Test in Basic Pharmacology 52
Achievement Tests in Nursing: Pharmacology 71
Comprehensive Achievement Test in Pharmacology in Clinical Nursing (Facts and Principles and Their Application) 86
PSYCHOLOGY *(See also: NURSING.)*
Achievement Tests in Nursing: Psychology and Sociology 72
PHOTOGRAPHY
Modern Photography Comprehension Test 30
PLUMBING
Short Occupational Knowledge Test for Plumbers 21
PRINTING
Printing, Ohio Trade and Industrial Education Tests 31
Printing Trade Competency Examination 32

RADIO AND TELEVISION REPAIR
Achievement Test for Radio and Television Servicing 35

SCIENCES
Comprehensive Achievement Test in Applied Natural Sciences 76
Comprehensive Achievement Test in Natural Sciences in Nursing 85
SECRETARIAL *(See also: BOOKKEEPING; BUSINESS - GENERAL; CALCULATION; CLERICAL; OFFICE MACHINES; SHORTHAND; STENOGRAPHIC; TYPING.)*
Secretarial Skills 133
Short Occupational Knowledge Test for Secretaries 136
SHORTHAND *(See also: BOOKKEEPING; BUSINESS- GENERAL; CALCULATION; CLERICAL; OFFICE MACHINES; SECRETARIAL; STENOGRAPHIC; TYPING.)*
Commercial Education Survey Tests: Junior Shorthand 121
Commercial Education Survey Tests: Senior Shorthand 122
PRI Test of Shorthand Skills 131
Shorthand Test 137

STENOGRAPHIC *(See also: BOOKKEEPING; BUSINESS - GENERAL; CALCULATION; CLERICAL; OFFICE MACHINES; SECRETARIAL; SHORTHAND; TYPING.)*
Stenographic Test, National Business Entrance Tests 138

TECHNICAL
Stanford Achievement Test: High School Technical Comprehension Test 153
TOOL *(See also: MACHINE SHOP; MECHANICAL DESIGN.)*
Short Occupational Knowledge Test for Tool and Die Makers 108
TELEVISION REPAIR *(See: ELECTRONICS; RADIO.)*
TRUCK DRIVERS
Short Occupational Knowledge Test for Truck Drivers 152
TYPING *(See also: BOOKKEEPING; BUSINESS - GENERAL; CALCULATION; CLERICAL; OFFICE MACHINES; SECRETARIAL; SHORTHAND; STENOGRAPHIC.)*
Every Pupil Achievement Test: Typewriting I 124
Every Pupil Achievement Test: Typewriting II 125
Students Typewriting Tests 139
Typewriting Achievement Test - 1st year 143
Typewriting Achievement Test - 2nd year 144
Typewriting Test, National Business Entrance Tests 145
Typing Skills Test 146
Typing Test 147
Typing Test for Business 148

WELDING
Purdue Trade Information Test in Welding (Revised Edition) 106
Short Occupational Knowledge Test for Welders 108
Welding Trade Competency Examination 93
WOODWORKING
Woods, Cooperative Industrial Arts Tests 22
Woodworking 23